CDX-M700R/M750

SERVICE MANUAL

US Model
CDX-M750
AEP Model
UK Model
CDX-M700R

Photo: CDX-M750

• The tuner and CD sections have no adjustments.

Model Name Using Similar Mechanism	NEW
CD Drive Mechanism Type	MG-383V-121//K
Optical Pick-up Name	KSS-720A

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS (CDX-M750)
POWER OUTPUT AND TOTAL HARMONIC DISTORTION
19 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more than 1% total harmonic distortion.

Other Specifications

CD player section

System	Compact disc digital audio system
Signal-to-noise ratio	90 dB
Frequency response	10 – 20,000 Hz
Wow and flutter	Below measurable limit
Laser Diode Properties (CDX-M750)	
Material	GaAlAs
Wavelength	780 nm
Emission Duration	Continuous
Laser output power	Less than 44.6 µW*

* *This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.*

Tuner section

FM

Tuning range	87.5 – 107.9 MHz (CDX-M750) 87.5 – 108.0 MHz (CDX-M700R)
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz/450 kHz
Usable sensitivity	8 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	66 dB (stereo), 72 dB (mono)
Harmonic distortion at 1 kHz	
	0.6% (stereo), 0.3% (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz

AM (CDX-M750)

Tuning range	530 – 1,710 kHz
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	30 µV

MW/LW (CDX-M700R)

Tuning range	MW: 531 – 1,602 kHz LW: 153 – 279 kHz
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	MW: 30 µV LW: 40 µV

Power amplifier section

Outputs	Speaker outputs
Speaker impedance	4 – 8 ohms
Maximum power output	50 W × 4 (at 4 ohms)

General

Outputs	Audio outputs (3) Power antenna relay control lead (CDX-M750) Power aerial relay control lead (CDX-M700R) Power amplifier control lead
Inputs	Telephone ATT control lead Illumination control lead
Power requirements	12 V DC car battery (negative ground)

– Continued on next page –

FM/AM COMPACT DISC PLAYER
CDX-M750

FM/MW/LW COMPACT DISC PLAYER
CDX-M700R

MC-Service

SONY

Dimensions	Approx. 178 × 50 × 182 mm (7 1/8 × 2 × 7 1/4 in.) (w/h/d)
Mounting dimensions	Approx. 182 × 53 × 163 mm (7 1/4 × 2 1/8 × 6 1/2 in.) (w/h/d)
Mass	Approx. 1.5 kg (3 lb. 1 oz.)
Supplied accessories	Card remote commander RM-X92 (CDX-M750) RM-X95 (CDX-M700R) Parts for installation and connections (1 set)

Design and specifications are subject to change without notice.

SERVICE NOTE

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

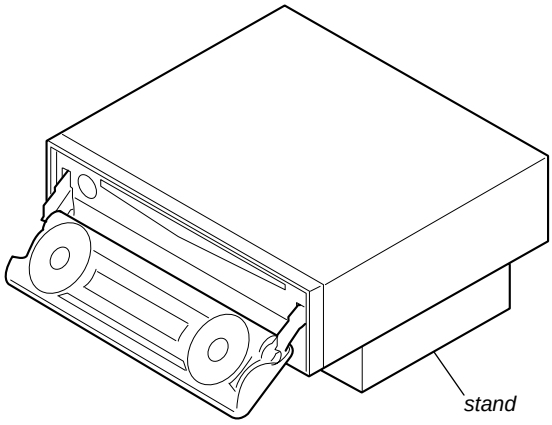
The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

NOTE FOR THE OPENING OF THE FRONT PANEL

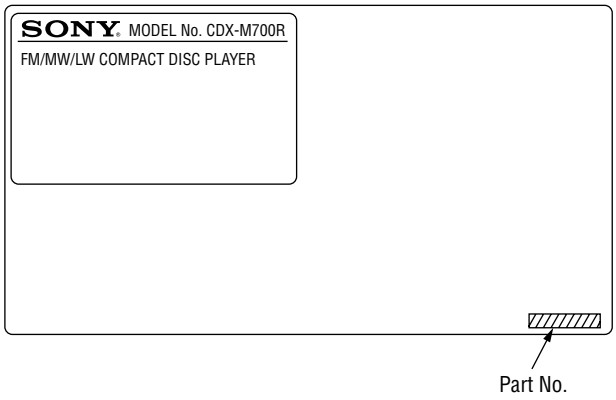
In this set, the front panel is lowered to below the bottom face when it is opened.
When servicing the set, place it on a stand having a height of about 2 cm.



MODEL IDENTIFICATION

CDX-M700R have 3 type models.

– MODEL NUMBER LABEL –



Part No.	Model
3-046-061-0☐	TYPE1
3-046-062-0☐	TYPE2
3-047-828-0☐	TYPE3

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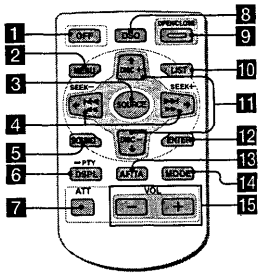
SECTION 1
GENERAL

This section is extracted from instruction manual.

CDX-M700R

Location of controls

Card remote commander



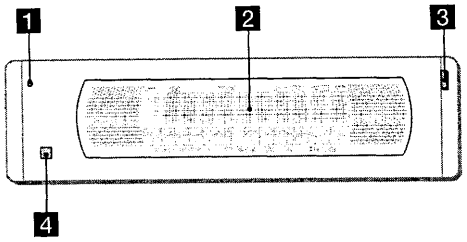
Refer to the pages listed for details.

1 OFF button 8, 10
2 MENU button 9, 11, 12, 13, 14, 15, 16, 17, 19, 21, 23, 25, 27, 28, 30, 31, 35, 36
3 SOURCE (TUNER/CD/MD) button 8, 10, 11, 14, 16, 17, 24, 28, 29, 30, 31, 36
4 ⇐/⇒ (SEEK/AMS –/+) buttons 9, 11, 12, 13, 15, 17, 19, 21, 23, 24, 25, 27, 28, 29, 30, 31, 34, 35, 36
Automatic Music Sensor (⏮/⏭) 11
Manual Search (◀◀/▶▶) 11
Seek 17
5 SOUND button 28, 29, 30, 31, 34
6 DSPL/PTY (display mode change/programme type) button 10, 11, 13, 22, 27
7 ATT (attenuate) button 34
8 CDX-M700R:
DSO (Dynamic Soundstage Organaizer) button 29
CDX-M600R:
D-BASS button 36
9 OPEN/CLOSE button 10
10 LIST button 13, 14, 26
11 ↑/↓ (PRST/DISC +/–) buttons 9, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31, 35, 36
During CD/MD playback:
Disc change 11
During radio reception:
Preset stations select 17
12 ENTER button 9, 13, 14, 15, 16, 17, 19, 21, 22, 23, 25, 26, 27, 28, 30, 31, 35, 36
13 AF/TA button 18, 19, 20, 21
14 MODE button 10, 14, 16, 17, 24
During CD/MD playback:
CD/MD unit select 10, 14
During radio reception:
BAND select 16, 17
15 VOL (Volume adjust) buttons 20, 31

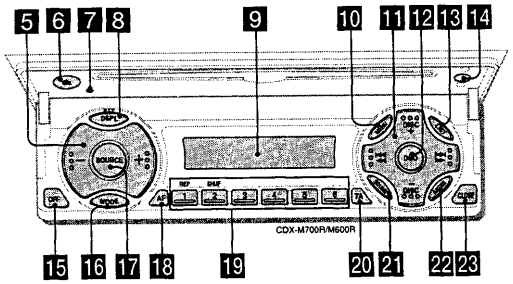
A unit turned off by pressing (OFF) for two seconds cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed or a CD is inserted to activate the unit first.

Location of controls

Security side



Operation side



The corresponding buttons of the unit control the same functions as those on the card remote commander.

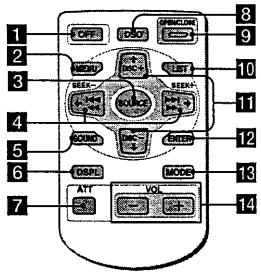
1 7 Reset button 8
2 Main display window
3 OPEN button 38
4 14 Receptor for the card remote commander
5 Volume adjust buttons
6 ⏏ (eject) button 10
8 DSPL/PTY (display mode change/programme type) button
9 Sub display window
10 MENU button
11 DISC/PRST +/– (cursor up/down) buttons
SEEK/AMS –/+ (cursor left/right) buttons 16
12 CDX-M700R:
DSO button
CDX-M600R:
D-BASS button
13 LIST button
15 OFF button*
16 MODE button
17 SOURCE (TUNER/CD/MD) button
18 AF button 18, 19, 21
19 Number buttons
During radio reception:
Preset number select 16, 17, 19, 21, 26
During CD/MD playback:
① REP 12
② SHUF 12
20 TA button 19, 20, 21
21 SOUND button
22 ENTER button
23 CLOSE button

* **Warning when installing in a car without ACC (accessory) position on the ignition key switch**
Be sure to press (OFF) on the unit for two seconds to turn off the clock display after turning off the engine.
When you press (OFF) only momentarily, the clock display does not turn off and this causes battery wear.

CDX-M750

Location of controls

Card remote commander



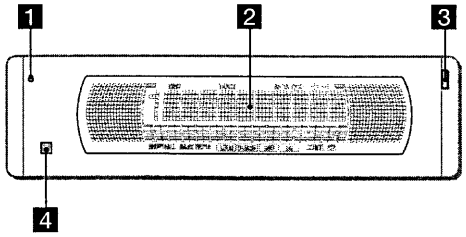
Refer to the pages listed for details.

1 OFF button 8, 10
2 MENU button 9, 12, 13, 14, 15, 16, 17, 18, 22, 27, 28, 29, 31
3 SOURCE (TUNER/CD/MD/TV) button 8, 10, 11, 14, 16, 17, 19, 20, 21, 22, 28, 29, 30, 31
4 ⇐/⇒ (SEEK/AMS –/+) buttons 8, 9, 11, 12, 15, 16, 17, 19, 20, 21, 22, 23, 26, 28, 30, 31
Automatic Music Sensor (⏮/⏭) 11
Manual Search (◀◀/▶▶) 11
Seek 16, 28
5 SOUND button 19, 20, 21, 22, 26
6 DSPL (display mode change) button 10, 11, 13, 18, 19, 25
7 ATT (attenuate) button 26
8 CDX-M750:
DSO (Dynamic Soundstage Organaizer) button 21
CDX-M600:
D-BASS button 27
9 OPEN/CLOSE button 10
10 LIST button 13, 14, 18, 19, 30, 31
List-up 14, 19, 30, 31
11 ↑/↓ (PRST/DISC +/–) buttons 8, 9, 11, 12, 13, 14, 15, 17, 18, 19, 20, 22, 23, 27, 28
During CD/MD playback:
Disc change 11
During radio reception:
Preset stations select 17
During TV reception:
Band select 29
12 ENTER button 9, 11, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 27, 29, 31
13 MODE button 10, 14, 16, 17, 29, 31
During CD/MD playback:
CD/MD unit select 10, 14
During radio reception:
BAND select 16, 17
During TV reception:
Unit select 29
14 VOL (volume adjust) buttons

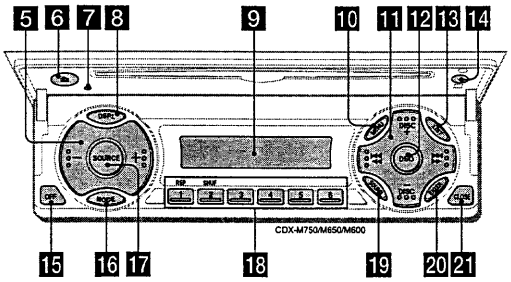
A unit turned off by pressing (OFF) for two seconds cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed or a CD is inserted to activate the unit first.

Location of controls

Security side



Operation side



The corresponding buttons of the unit control the same functions as those on the card remote commander.

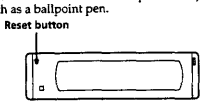
- 1 7 Reset button 8
- 2 Main display window
- 3 OPEN button
- 4 14 Receptor for the card remote commander
- 5 Volume adjust buttons
- 6 ⏏ (eject) button 10
- 8 DSPL (display mode change) button
- 9 Sub display window
- 10 MENU button
- 11 DISC/PRST +/– (cursor up/down) buttons
  SEEK/AMS –/+ (cursor left/right) buttons 16
- 12 CDX-M750: DSO button
  CDX-M600: D-BASS button
- 13 LIST button
- 15 OFF button* 8
- 16 MODE button
- 17 SOURCE button
- 18 Number buttons
  During radio reception: Preset number select 16, 17
  During CD/MD playback:
  ① REP 12
  ② SHUF 12
  During TV reception: Preset number select 30
- 19 SOUND button
- 20 ENTER button
- 21 CLOSE button

*** Warning when installing in a car without ACC (accessory) position on the ignition key switch**
Be sure to press (OFF) on the unit for two seconds to turn off the clock display after turning off the engine.
When you press (OFF) only momentarily, the clock display does not turn off and this causes battery wear.

Getting Started

Resetting the unit

Before operating the unit for the first time or after replacing the car battery, you must reset the unit.
Press the reset button with a pointed object, such as a ballpoint pen.



Note
Pressing the reset button will erase the clock setting and some memorised functions.

Security release settings

Do the following initial settings before you operate the unit for the first time, after replacing the car battery, or after resetting the unit.
Be sure to make these settings, otherwise the front panel remains disabled and you will be unable to operate the unit.

1 Press the reset button.
"Code in" appears.

2 Press the buttons on the card remote commander, and send the security code.
Please refer to the supplied insert for details on the security code buttons.
When the code has been confirmed, the display changes to clock, and you can operate the unit normally.

Notes
- *When you leave the car, take the card remote control with you.*
- *If you forget the security code, consult your Sony Service Center. Be sure to bring the card remote control with you.*

Turning the unit on/off

Turning on the unit

Press (SOURCE) or insert a CD in the unit. For details on operation, refer to page 10 (CD/MD) and page 16 (radio).

Turning off the unit

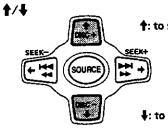
Press (OFF) to stop CD/MD playback or radio MW/LW reception (the key illumination and display remains on.)
Press (OFF) for two seconds to completely turn off the unit.

Note
If your car has no ACC position on the ignition key switch, be sure to turn the unit off by pressing (OFF) for two seconds to avoid car battery wear.

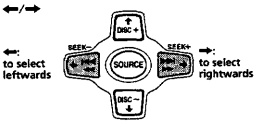
How to use the menu

This unit is operated by selecting items from a menu.
To select, first enter the menu mode and choose ↑/↓ (up/down), or choose ←/→ (left/right).

↑/↓



←/→



Setting the clock

The clock uses a 24-hour digital indication.

Example: To set the clock to 10:08

1 Press (MENU), then press ↑ or ↓ repeatedly until "Clock" appears.

❶ Press (ENTER)

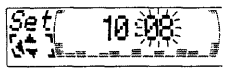
The hour indication flashes.

❷ Press ↑ or ↓ to set the hour.

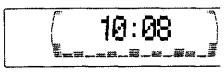
❸ Press →

The minute indication flashes.

❹ Press ↑ or ↓ to set the minute.



2 Press (ENTER).



The clock starts.

Tip
You can set the clock automatically with the RDS feature (page 22).

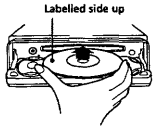
Note
In the initial setting, the clock indication appears while the unit is turned off.
When the D.Info mode is set to "on," the time is always displayed (except for some functions of SA model) (page 35).

CD Player
CD/MD Unit (optional)

In addition to playing a CD with this unit alone, you can also control external CD/MD units.
If you connect an optional CD unit with the CD TEXT function, the CD TEXT information will appear in the display when you play a CD TEXT disc.

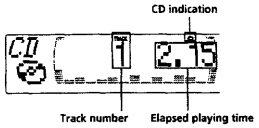
Listening to a CD
(with this unit only)

1 Press (OPEN/CLOSE) of the card remote commander and insert the CD.
Playback starts automatically.



2 Press (OPEN/CLOSE) of the card remote commander to close the front panel.

If a CD is already inserted, press (SOURCE) repeatedly until "CD" appears to start playback.



Note
To play back an 8 cm CD, use the optional Sony compact disc single adapter (CSA-8).

When the last track on the CD is over
The track number indication returns to "1," and playback restarts from the first track of the CD.

To	Press
Stop playback	(OFF)
Eject the CD	(OPEN/CLOSE) then ⏏

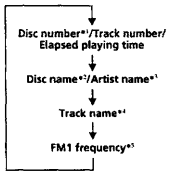
Playing a CD or MD (with optional CD/MD unit)

1 Press (SOURCE) repeatedly to select "CD" or "MD."

2 Press (MODE) until the desired unit appears.
CD/MD playback starts.

All the discs in the current CD/MD unit is played from the top.

Changing the display item
Each time you press (DSPL/PTY) during CD, CD TEXT disc, or MD playback, the item changes as follows:



*1 While an optional CD/MD unit is connected.
*2 If you have not labelled the CD or CD TEXT disc ("Labelling a CD" page 13), or if there is no disc name prerecorded on the MD, "NO D.Name" appear in the display.
*3 If you play a CD TEXT disc, the artist name appears in the display after the disc name. (Only for CD TEXT discs with the artist name.)
*4 If the track name of a CD TEXT disc or MD is not prerecorded, "NO T.Name" appear in the display.
*5 While the AFITA function is activated.

After you select the desired item, the display will automatically change to the Motion Display mode after a few seconds.
In the Motion Display mode, all the items are scrolled in the display one by one in order.

Note
If you use personalised labels, they will always take priority over the original CD TEXT information when such information is displayed.

Tip
The Motion Display mode can be turned off. (See "Changing the sound and display settings" on page 35).

Automatically scrolling a disc name — Auto Scroll
If the disc name, artist name, or track name on an MD or a CD TEXT disc exceeds 10 characters and the Auto Scroll function is on, information automatically scrolls across the display as follows:
- *The disc name appears when the disc has changed (if the disc name is selected as the display item).*
- *The track name appears when the track has changed (if the track name is selected as the display item).*
- *The disc or track name appears depending on the setting when you press (SOURCE) to select an MD or CD TEXT disc.*

If you press (DSPL/PTY) to change the display item, the disc or track name of the CD TEXT disc or MD is scrolled automatically whether you set the function on or off.

1 During playback, press (MENU).

2 Press ↑ or ↓ repeatedly until "A.Scrl" appears.

3 Press → to select "A.Scrl on."

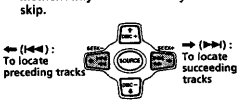
4 Press (ENTER).

To cancel Auto Scroll, select "A.Scrl off" in step 3.

Note
For some CD TEXT discs with very many characters, the following cases may happen:
— Some of the characters are not displayed.
— Auto Scroll does not work.

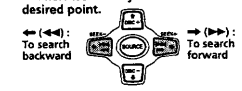
Locating a specific track — Automatic Music Sensor (AMS)

During playback, press ← or → momentarily for each track you want to skip.



Locating a specific point in a track — Manual Search

During playback, press and hold ← or →. Release when you have found the desired point.

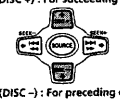


Note
If "└┘ └┘" or "┐┌ ┐┌" appears in the display, you have reached the beginning or the end of the disc and you cannot go any further.

Locating a disc — Disc Selection

When an optional CD/MD unit is connected, press ↑ or ↓ to select the desired disc.

↑ (DISC +) : For succeeding discs



↓ (DISC −) : For preceding discs

The desired disc in the current optional CD/MD unit begins playback.

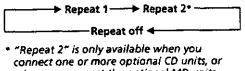
Playing tracks repeatedly — Repeat Play

The CD in the main unit will automatically repeat itself when it reaches the end. For repeat play, you can select:
- Repeat 1 — to repeat a track.
- Repeat 2 — to repeat a disc in the optional CD/MD unit.

1 During playback, press (MENU).

2 Press ↑ or ↓ repeatedly until "Repeat" appears.

3 Press → repeatedly until the desired setting appears in the display.



* *"Repeat 2" is only available when you connect one or more optional CD units, or when you connect the optional MD units.*

Repeat Play starts.

To return to normal play mode, select "Repeat off" in step 3.

Tip
If you select the mode using the buttons on the unit, press ① (REP) repeatedly until the desired mode appears.

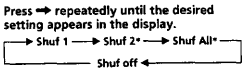
Playing tracks in random order — Shuffle Play

You can select:
- Shuf 1 — to play the tracks on the current disc in random order.
- Shuf 2 — to play the tracks in the current optional CD/MD unit in random order.
- Shuf All — to play all the tracks in all the optional CD/MD units in random order.

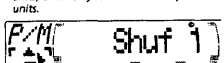
1 During playback, press (MENU).

2 Press ↑ or ↓ repeatedly until "Shuf" appears.

3 Press → repeatedly until the desired setting appears in the display.



* *"Shuf 2" and "Shuf All" are only available when you connect one or more optional CD units, or when you connect the optional MD units.*



Shuffle Play starts.

To return to normal play mode, select "Shuf off" in step 3.

Tip
If you select the mode using the buttons on the unit, press ② (SHUF) repeatedly until the desired mode appears.

Labelling a CD — Disc Memo
(For a CD unit with the custom file function)

You can label each disc with a personalised name. You can enter up to eight characters for a disc. If you label a CD, you can locate the disc by name (page 14) and select the specific tracks for playback (page 15).

1 Start playing the disc you want to label.

2 Press (MENU), then press ↑ or ↓ repeatedly until "Name Edit" appears.

3 Press (ENTER).

Name edit mode

4 Enter the characters.

❶ Press ↑ repeatedly to select the desired characters.
(A → B → C → ··· Z → 0 → 1 → 2 → ··· 9 → + → − → * → / → \ → > → < → . → ␣)

If you press ↓ repeatedly, the characters will appear in reverse order.
If you want to put a blank space between characters, select "␣."

❷ Press → after locating the desired character.
The next character flashes.

If you press ←, the previous character flashes.

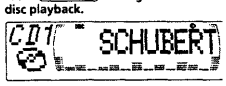
❸ Repeat steps ❶ and ❷ to enter the entire name.

5 To return to normal CD play mode, press (ENTER).

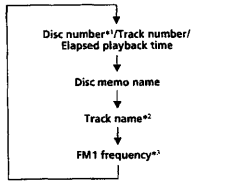
Tips
- *To erase or correct a name, enter "␣" (underbar) for each character.*
- *There is another way to start labelling a CD. Press (LIST) for two seconds instead of steps 2 and 3. You can also complete the operation by pressing (LIST) for two seconds instead of step 5.*

Displaying the disc memo

Press (DSPL/PTY) during CD or CD TEXT disc playback.



Each time you press (DSPL/PTY) during CD or CD TEXT disc playback, the item changes as follows:



*1 While an optional CD unit is connected.
*2 If you connect an optional CD unit with the CD TEXT function, the CD TEXT information will appear in the display when you play a CD TEXT disc.
*3 While the AFITA function is activated.

Erasing the disc memo

1 Press (SOURCE) repeatedly to select "CD."

2 Press (MODE) repeatedly to select the CD unit with the custom file function.

3 Press (MENU), then press ↑ or ↓ repeatedly until "Name Del" appears.

4 Press (ENTER).

5 Press ↑ or ↓ repeatedly to select the disc name you want to erase.

6 Press (ENTER) for two seconds.
The name is erased.
Repeat steps 5 and 6 if you want to erase other names.

7 Press (MENU) twice.
The unit returns to normal CD play mode.

Note
When a personalised label is erased, the original CD TEXT information will appear in the display.

Locating a disc by name

— List-up (For a CD unit with the custom file function or an MD unit)

You can use this function for discs that have been assigned a custom name. For more information on disc memo names, refer to "Labelling a CD" (page 13).

1 Press (LIST).
The name assigned to the current disc appears in the display.

When you assign a disc memo name to a CD TEXT disc, it takes priority over the original CD TEXT information.

2 Press ↑ (DISC +) or ↓ (DISC –) repeatedly until you find the desired disc.

3 Press (ENTER) to play the disc.

Notes
- *The track names are not displayed during CD TEXT disc or MD playback.*
- *If there are no discs in the magazine, "NO Disc" appears in the display.*
- *If a disc has not been assigned a custom file, "********" appears in the display.*
- *Some letters cannot be displayed during CD TEXT disc or MD playback.*

Selecting specific tracks for playback

— Bank
(For a CD unit with the custom file function)

If you label the disc, you can set the unit to skip or play the tracks of your choice.

1 Start playing the disc you want to label.

2 Press (MENU), then press ↑ or ↓ repeatedly until "Bank Sel" appears.

3 Press (ENTER).
Bank edit mode

4 Label the tracks.
❶ Press ← or → repeatedly to select the track you want to label.
❷ Press (ENTER) repeatedly to select "Play."

5 Repeat step 4 to set "Play" or "Skip" for all the tracks.

6 Press (MENU) twice.
The unit returns to normal CD play mode.

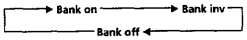
Notes
- *You can set "Play" and "Skip" for up to 24 tracks.*
- *You cannot set "Skip" for all the tracks on a CD.*

Playing specific tracks only

You can select:
- "Bank on" — to play the tracks with the "Play" setting.
- "Bank inv" (Inverse) — to play the tracks with the "Skip" setting.

1 During playback, press (MENU), then press ↑ or ↓ repeatedly until "Bank" appears.

2 Press → repeatedly until the desired setting appears.



3 Press (ENTER).
Playback starts from the track following the current one.

To return to normal play mode, select "Bank off" in step 2.

CDX-M700R

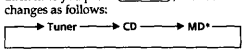
Memorising stations automatically

— Best Tuning Memory (BTM)

The unit selects the stations with the strongest signals and memorises them in the order of their frequencies. You can store up to six stations on each band (FM1, FM2, FM3, MW, and LW).

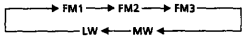
Caution
When tuning in stations while driving, use Best Tuning Memory to prevent accidents.

1 Press (SOURCE) repeatedly to select the tuner.
Each time you press (SOURCE), the source changes as follows:



** If the corresponding optional equipment is not connected, this item will not appear.*

2 Press (MODE) repeatedly to select the band.
Each time you press (MODE), the band changes as follows:



3 Press (MENU), then press ↑ or ↓ repeatedly until "BTM" appears.

4 Press (ENTER).
The unit stores stations in the order of their frequencies on the number buttons.
A beep sounds when the setting is stored.

Notes
- *The unit does not store stations with weak signals. If only a few stations can be received, some number buttons will retain their former setting.*
- *When a number is indicated in the display, the unit starts storing stations from the one currently displayed.*
- *If a CD is not in the unit, only the tuner band appears even if you press (SOURCE).*

Memorising only the desired stations

You can preset up to 18 FM stations (six each for FM1, FM2, and FM3), up to 6 MW stations, and up to 6 LW stations in the order of your choice.

1 Press (SOURCE) repeatedly to select the tuner.

2 Press (MODE) repeatedly to select the band.

3 Press ⏮ or ⏭ of the unit to tune in the station that you want to store on the number button.

4 Press the desired number button (① to ⑥) of the unit until "MEM" appears.
The number button indication appears in the display.

Note
If you try to store another station on the same number button, the previously stored station will be erased.

Receiving the memorised stations

1 Press (SOURCE) repeatedly to select the tuner.

2 Press (MODE) repeatedly to select the band.

3 Press ↑ (preset up) or ↓ (preset down) repeatedly to receive the stations in the order they are stored in the memory.

Tip
If you select memorising the station using the buttons of the unit, press the number button (① to ⑥) on which the desired station is stored.

If you cannot tune in a preset station

Press ← or → to search for the station (automatic tuning).
Scanning stops when the unit receives a station. Press ← or → repeatedly until the desired station is received.

Note
If the automatic tuning stops too frequently, press (MENU), then press ↑ or ↓ repeatedly until "Local" (local seek mode) is displayed. Then press → to select "Local on." Press (ENTER).
Only the stations with relatively strong signals will be tuned in.

Tips
- *When you select the "Local on" setting, "LCL Seek" appears while the unit is searching for a station.*
- *If you know the frequency of the station you want to listen to, press and hold ← or → until the desired frequency appears (manual tuning).*

If FM stereo reception is poor

— Monaural Mode

1 During radio reception, press (MENU), then press ↑ or ↓ repeatedly until "Mono" appears.

2 Press → until "Mono on" appears.
The sound improves, but becomes monaural ("ST" disappears).

3 Press (ENTER).

To return to normal mode, select "Mono off" in step 2.

Radio

Memorizing stations automatically

— Best Tuning Memory (BTM)

The unit selects the stations with the strongest signals and memorizes them in the order of their frequencies. You can store up to six stations on each band (FM1, FM2, FM3, AM1, and AM2).

Caution
When tuning in stations while driving, use Best Tuning Memory to prevent accidents.

1 Press (SOURCE) repeatedly to select the tuner.
Each time you press (SOURCE), the source changes as follows:

Tuner → CD → MD* → TV* →

** If the corresponding optional equipment is not connected, this item will not appear.*

2 Press (MODE) repeatedly to select the band.
Each time you press (MODE), the band changes as follows:

FM1 → FM2 → FM3 → AM2 → AM1 →

3 Press (MENU), then press ↑ or ↓ repeatedly until "BTM" appears.

4 Press (ENTER).
The unit stores stations in the order of their frequencies on the number buttons.
A beep sounds when the setting is stored.

Notes
- *The unit does not store stations with weak signals. If only a few stations can be received, some number buttons will retain their former setting.*
- *When a number is indicated in the display, the unit starts storing stations from the one currently displayed.*
- *If a CD is not in the unit, only the tuner band appears even if you press (SOURCE).*

Memorizing only the desired stations

You can preset up to 18 FM stations (6 each for FM1, FM2, and FM3), up to 12 AM stations (6 each for AM1 and AM2) in the order of your choice.

1 Press (SOURCE) repeatedly to select the tuner.

2 Press (MODE) repeatedly to select the band.

3 Press ⏮ or ⏭ of the unit to tune in the station that you want to store on the number button.

4 Press the desired number button (1 to 6) of the unit until "MEM" appears.
The number button indication appears in the display.

Note
If you try to store another station on the same number button, the previously stored station will be erased.

Receiving the memorized stations

1 Press (SOURCE) repeatedly to select the tuner.

2 Press (MODE) repeatedly to select the band.

3 Press ↑ (preset up) or ↓ (preset down) repeatedly to receive the stations in the order they are stored in the memory.

Tip
If you memorizing the station using the buttons of the unit, press the number button (1 to 6) on which the desired station is stored.

If you cannot tune in a preset station

Press ← or → to search for the station (automatic tuning).
Scanning stops when the unit receives a station. Press ← or → repeatedly until the desired station is received.

Note
If the automatic tuning stops too frequently, press (MENU), then press ↑ or ↓ repeatedly until "Local" (local seek mode) is displayed. Then press → to select "Local on." Press (ENTER). Only the stations with relatively strong signals will be tuned in.

Tips
- *When you select the "Local on" setting, "LCL Seek" appears while the unit is searching for a station.*
- *If you know the frequency of the station you want to listen to, press and hold ← or → until the desired frequency appears (manual tuning).*

If FM stereo reception is poor — Monaural Mode

1 During radio reception, press (MENU), then press ↑ or ↓ repeatedly until "Mono" appears.

2 Press → until "Mono on" appears.
The sound improves, but becomes monaural ("ST" disappears).

3 Press (ENTER).

To return to normal mode, select "Mono off" in step 2.

If FM stereo broadcast becomes monaural

If interference occurs, the "IF Auto" function of this unit will automatically avoid noise and narrow the reception frequency. In such cases, some FM stereo broadcasts may become monaural. If you would like to hear such broadcasts in stereo, manually switch to the "Wide" setting.

1 During radio reception, press (MENU), then press ↑ or ↓ repeatedly until "IF Auto" appears.

2 Press → until "Wide" appears.

3 Press (ENTER).

Note
When you widen the frequency signal reception setting ("Wide" mode), some interference may occur.

Storing the station names

— Station Memo

You can assign a name to each radio station and store it in memory. The name of the station currently tuned in appears in the display. You can assign a name of up to eight characters for a station.

Storing the station names

1 Tune in a station whose name you want to store.

2 Press (MENU), then press ↑ or ↓ repeatedly until "Name edit" appears.

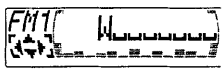
3 Press (ENTER).

4 Enter the characters.

❶ Press ↑ repeatedly to select the desired characters.
(A → B → C → ··· Z → 0 → 1 → 2 → ··· 9 → + → − → * → / → \ → > → < → . → ␣)

If you press ↓ repeatedly, the characters appear in the reverse order.
If you want to put a blank space between characters, select "␣"

❷ Press → after locating the desired character.
The next character flashes.



If you press ←, the previous character flashes.

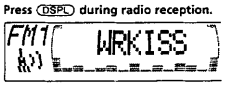
❸ Repeat steps ❶ and ❷ to enter the entire name.

5 To return to the normal radio reception, press (ENTER).

Tips
- *To erase or correct a name, enter "␣" (underbar) for each character.*
- *There is another way to start storing station names. Press (LIST) for two seconds instead of steps 2 and 3. You can also complete the operation by pressing (LIST) for two seconds instead of step 5.*

Displaying the station name

Press (DSPL) during radio reception.



Each time you press (DSPL), the item changes as follows:

Station name* → Frequency →

** If the station name of a station is not stored, "NO Name" appears in the display for one second.*

Erasing the station name

1 Tune in a station you want to erase.

2 Press (MENU), then press ↑ or ↓ repeatedly until "Name Del" appears.

3 Press (ENTER).

4 Press ↑ or ↓ to select the station name you want to erase.

5 Press (ENTER) for two seconds.
The name is erased.
Repeat steps 1 through 4 if you want to erase other names.

6 Press (MENU) twice.
The unit returns to the normal radio reception mode.

Note
When you erase all of the station names, "NO Data" appears in step 5.

Locating a station by name — List-up

1 Press (LIST) momentarily.
The name assigned to the station currently tuned appears in the display.

2 Press ↑ or ↓ repeatedly until you find the desired station.
When no name is assigned to the selected station, the frequency appears in the display.

3 Press (ENTER) to tune in the desired station.

Note
When you connect a TV tuner, the list-up indication will not appear in the display of the unit.

Overview of the RDS function

Radio Data System (RDS) is a broadcasting service that allows FM stations to send additional digital information along with the regular radio programme signal. Your car stereo offers you a variety of services. Here are just a few: retuning the same programme automatically, listening to traffic announcements, and locating a station by programme type.

Notes
- *Depending on the country or region, not all of the RDS functions are available.*
- *RDS may not work properly if the signal strength is weak or if the station you are tuned to is not transmitting RDS data.*

Displaying the station name

The name of the current station lights up in the display.

Select an FM station (page 16).
When you tune in an FM station that transmits RDS data, the station name appears in the display.

Note
The "" indication means that an RDS station is being received.*

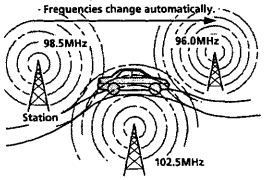
After you select the desired item, the display will automatically change to the Motion Display mode after a few seconds.
In the motion display mode, all the items are scrolled in the display one by one in order.

Tip
The Motion Display mode can be turned off. (See "Changing the sound and display settings" on page 35.)

Retuning the same programme automatically

— Alternative Frequencies (AF)

The Alternative Frequencies (AF) function automatically selects and retunes the station with the strongest signal in a network. By using this function, you can continuously listen to the same programme during a long distance drive without having to retune the station manually.



1 Select an FM station (page 16).

2 Press AF/TA repeatedly until "AF on" appears.
The unit starts searching for an alternative station with a stronger signal in the same network.

Tip
If you select the mode using the buttons on the unit, press AF until "AF on" appears.

Changing the display item

Each time you press AF/TA, the item changes as follows:

AF on → TA on → AF TA on* → AF TA off → AF on

** Select this to turn on both the AF and TA functions.*

Tips
- *Each time you press AF on the unit, the item changes as follows:*
  AF on ⟷ AF off
- *Each time you press TA on the unit, the item changes as follows:*
  TA on ⟷ TA off

Notes
- *When there is no alternative station in the area and you do not need to search for an alternative station, turn the AF function off by pressing AF/TA repeatedly until "AF TA off" appears.*
- *When "NO AF" and the station name flash alternately, it means that the unit cannot find an alternative station in the network.*
- *If the station name starts flashing after selecting a station with the AF function on, this indicates that no alternative frequency is available. Press ← or → while the station name is flashing (within eight seconds). The unit starts searching for another frequency with the same PI (Programme Identification) data ("PI Seek" appears and no sound is heard). If the unit cannot find another frequency, "NO PI" appears, and the unit returns to the previously selected frequency.*

Listening to a regional programme

The "REG on" (regional on) function lets you stay tuned to a regional programme without being switched to another regional station. (Note that you must turn the AF function on.) The unit is factory preset to "REG on," but if you want to turn off the function, do the following.

1 During radio reception, press MENU, then press ↑ or ↓ repeatedly until "REG" appears.

2 Press → until "REG off" appears.

3 Press ENTER.
Note that selecting "REG off" might cause the unit to switch to another regional station within the same network.

To return to regional on, select "REG on" in step 2.

Note
This function does not work in the United Kingdom and in some other areas.

Local link function (United Kingdom only)

The Local Link function lets you select other local stations in the area, even if they are not stored on your number buttons.

1 Press a number button of the unit that has a local station stored on it.

2 Within five seconds, press the number button of the local station again.

3 Repeat this procedure until the desired local station is received.

Listening to traffic announcements

The Traffic Announcement (TA) and Traffic Programme (TP) data lets you automatically tune in an FM station that is broadcasting traffic announcements even if you are listening to other programme sources.

Press AF/TA repeatedly until "TA on" or "AF TA on" appears.
The unit starts searching for traffic information stations. "TP" appears in the display when the unit finds a station broadcasting traffic announcements.
When the traffic announcement starts, "TA" flashes. The flashing stops when the traffic announcement is over.

Tips
- *If the traffic announcement starts while you are listening to another programme source, the unit automatically switches to the announcement and goes back to the original source when the announcement is over.*
- *If you select the mode using the buttons on the unit, press TA until "TA on" appears.*

Note
"NO TP" flashes for five seconds if the received station does not broadcast traffic announcements. Then, the unit starts searching for a station that broadcasts it.

To cancel the current traffic announcement

Press AF/TA.
To cancel all traffic announcements, turn off the function by pressing AF/TA until "AF TA off" appears.

Presetting the volume of traffic announcements

You can preset the volume level of the traffic announcements beforehand so you won't miss the announcement. When a traffic announcement starts, the volume will be automatically adjusted to the preset level.

1 Select the desired volume level.

2 Press AF/TA for two seconds.
"TA" appears and the setting is stored.

Receiving emergency announcements

If an emergency announcement comes in while you are listening to the radio, the programme will be automatically switched to it. If you are listening to a source other than the radio, the emergency announcements will be heard if you set AF or TA to on. The unit will then automatically switch to these announcements no matter which source you are listening to at the time.

Presetting the RDS stations with the AF and TA data

When you preset RDS stations, the unit stores each station's data as well as its frequency, so you don't have to turn on the AF or TA function every time you tune in the preset station. You can select a different setting (AF, TA, or both) for individual preset stations, or the same setting for all preset stations.

Presetting the same setting for all preset stations

1 Select an FM band (page 16).

2 Press AF/TA repeatedly to select either "AF on," "TA on" or "AF TA on" (for both AF and TA functions).
Note that selecting "AF TA off" stores not only RDS stations, but also non-RDS stations.

Tip
If you select the mode using the buttons on the unit, press AF and/or TA to select "AF on" and/or "TA on." Note that selecting "AF off" or "TA off" stores not only RDS stations, but also non-RDS stations.

3 Press MENU, then press ↑ or ↓ repeatedly until "BTM" appears.

4 Press → until "BTM" flashes.

5 Press ENTER.

Presetting different settings for each preset station

1 Select an FM band, and tune in the desired station (page 16).

2 Press AF/TA repeatedly to select either "AF on," "TA on" or "AF TA on" (for both AF and TA functions).

Tip
If you select the mode using the buttons on the unit, press AF and/or TA to select "AF on" and/or "TA on."

3 Press the desired number button of the unit until "MEM" appears.
Repeat from step 1 to preset other stations.

Tip
If you want to change the preset AF and/or TA setting after you tune in the preset station, you can do so by turning the AF or TA function on or off.

Locating a station by programme type

You can locate the station you want by selecting one of the programme types shown below.

Programme types	Display
News	News
Current Affairs	Affairs
Information	Info
Sports	Sport
Education	Educate
Drama	Drama
Culture	Culture
Science	Science
Varied	Varied
Popular Music	Pop M
Rock Music	Rock M
Easy Listening	Easy M
Light Classical	Light M
Classical	Classics
Other Music Type	Other M
Weather	Weather
Finance	Finance
Children's Programmes	Children
Social Affairs	Social A
Religion	Religion
Phone In	Phone IN
Travel	Travel
Leisure	Leisure
Jazz Music	Jazz
Country Music	Country
National Music	Nation M
Oldies Music	Oldies
Folk Music	Folk M
Documentary	Document
Not specified	None

Note
You cannot use this function in some countries where no PTY (Programme Type selection) data is available.

1 Press (DSPL/PTY) during FM reception until "PTY" appears.

The current programme type name appears if the station is transmitting the PTY data. "- - - - -" appears if the received station is not an RDS station, or if the RDS data has not been received.

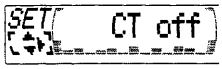
2 Press ↑ or ↓ repeatedly until the desired programme type appears.
The programme types appear in the order shown in the table. Note that you cannot select "None" (Not specified) for searching.

3 Press (ENTER).
The unit starts searching for a station broadcasting the selected programme type.

Setting the clock automatically

The CT (Clock Time) data from the RDS transmission sets the clock automatically.

1 During radio reception, press (MENU), then press ↑ or ↓ repeatedly until "CT" appears.



2 Press → repeatedly until "CT on" appears.
The clock is set.

3 Press (ENTER) to return to the normal display.

To cancel the CT function

Select "CT off" in step 2.

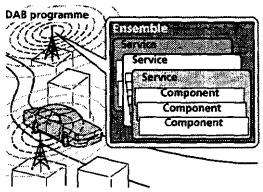
Notes
- *The CT function may not work even though an RDS station is being received.*
- *There might be a difference between the time set by the CT function and the actual time.*

CDX-M700R

With Optional Equipment
DAB

Overview of DAB

DAB (Digital Audio Broadcasting) is a new multimedia broadcasting system that transmits audio programmes with a quality comparable to that of CDs. This is made possible by the use of a microcomputer in the DAB tuner which uses the radio signals sent from multiple aerials and multi-path signals (reflected radio waves) to boost the strength of the main signal. This makes DAB almost immune to radio interference even in a moving object such as a car.
Each DAB station bundles radio programmes (services) into an ensemble which it then broadcasts. Each service contains one or more components. All ensembles, services, and components are identified by name, so you can access any of them without having to know their frequencies.



Notes
- *The DAB system is actually in a testing phase. This means some services have not been sufficiently defined or are presently being tested. At present, such services are not supported by the optional DAB tuner unit XT-100DAB.*
- *DAB programmes are broadcast in Band-III (174 to 240 MHz) and L-Band (1,452 to 1,492 MHz), with each band divided into channels (41 in Band-III and 23 in L-Band). One ensemble is broadcast per channel by each DAB station.*
- *When you change the mode from FM3 to DAB, all the AF TA modes stay active.*
- *When you change any of the AF TA modes in DAB, that mode stays active in FM1.*

Basic operations of DAB

Searching for the Ensemble and Service
— Automatic Tuning

1 Press (SOURCE) repeatedly to select the tuner.

2 Press (MODE) repeatedly to select "DAB."

3 Press and hold ← or → until "Seek +" or "Seek –" appears.

4 Press ← or → to search the desired service.

Note
The "((•))" indication flashes while the unit is searching for the Ensemble.

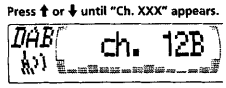
Selecting the Ensemble
— Manual Tuning

If you know the channel number of Ensemble, follow the procedure below to tune in.

1 Press (SOURCE) repeatedly to select the tuner.

2 Press (MODE) repeatedly to select "DAB."

3 Press ↑ or ↓ until "Ch. XXX" appears.



4 Press ↑ or ↓ repeatedly until the desired channel number appears.

Tips
- *More than one channel may broadcast the same Ensemble.*
- *If you select the Ensemble service but cannot receive it, the "((•))" indication flashes.*

Receiving the memorised services

Following procedure is available after presetting the service. For details on presetting the services, refer to "Presetting DAB services automatically," (page 25) and "Presetting DAB services manually" (page 25).

1 Press (SOURCE) repeatedly to select the tuner.

2 Press (MODE) repeatedly to select "DAB."

3 Press ↑ or ↓ repeatedly to select the preset service.

Tip
There is another way to receive the preset service. Press the number buttons (1 to 6) of the unit on which the desired service is stored.

The receiving mode of the DAB tuner is displayed according to the chart below:

Indication	Level	Receive mode
(flash)	0	cannot receive
	1	poor reception
	2	so-so
	3	moderate
	4	good reception

Presetting DAB services automatically — BTM

The BTM (Best Tuning Memory) function picks out DAB ensembles and automatically assigns the services within the ensembles to preset service numbers. The unit can preset up to 40 services. If services have been previously set, the BTM function operates under the following conditions:
- If you activate the BTM function while listening to a preset service, the unit will store detected services (by overwriting) only to preset numbers higher than that of the current present service.
- If you activate the function while listening to a service that is not preset, the unit will replace the contents of all preset numbers.
- In both cases above, if the unit detects a service that is identical to one already preset, the previously stored service remains unchanged and the newly detected service is not preset.

1 While listening to a DAB programme, press (MENU).

2 Press ↑ or ↓ repeatedly until "BTM" appears.

3 Press (ENTER).
A beep sounds when the service is stored. After activating the BTM function, the unit tunes the service assigned in the preset memory 1 automatically.

Note
If the unit can only tune in a few services, the BTM function may not assign services to all the preset service numbers.

Presetting DAB services manually — Manual Preset Memory

You can also preset DAB services manually or delete a service which is already preset. Note that up to 40 services (preset either by the BTM function or manually) can be preset to the unit's memory.

1 While listening to a DAB programme, press (MENU).

2 Press ↑ or ↓ repeatedly until "PresetEdit" appears, then press (ENTER).

3 Select the service and the preset number you want to preset.

❶ Press ← or → to select the service.

❷ Press ↑ or ↓ to select the preset number.

❸ Press (ENTER).

4 Press ↑ or ↓ to select "Over Wrt."
Each time you press ↓, the edit command changes as follows:

→ Over Wrt → Insert* → Delete

* *"Insert" does not appear if the maximum number of services (40) is already preset in memory.*

To preset other services, repeat steps 3 and 4.

5 Press (ENTER).

Replacing the services in preset memories

Press ↑ or ↓ to select "Over Wrt" in step 4, then press ENTER.

Adding the services in preset memories

Press ↑ or ↓ to select "Insert" in step 4, then press ENTER.

Erasing the services in preset memories

Press ↑ or ↓ to select "Delete" in step 4, then press ENTER.

Tip
There is another way to preset the service. After receiving the service, press the number buttons (① to ⑥) of the unit until a beep sounds.

Listening to a DAB programme

Follow the procedure below to tune in a DAB programme manually.
You can also store DAB services in the unit's memory for instant tuning (see "Presetting DAB services automatically (BTM)" on page 25).

1 While listening to a DAB programme, press LIST repeatedly until the Ensemble List appears.

2 Press ↑ or ↓ until the desired ensemble appears, then press ENTER.

3 Press LIST repeatedly to until the Service List appears.

4 Press ↑ or ↓ repeatedly until the desired service appears, then press ENTER.

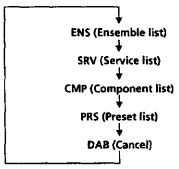
5 Press LIST repeatedly until the Component List appears.

6 Press ↑ or ↓ until the desired component appears, then press ENTER.

Tip
To check the name of the current component, ensemble or service, press LIST repeatedly until the respective list appears in the display. The name of the currently selected item flashes.

Changing the display item

When you press LIST once, the list selected last time appears.
Each time you press LIST, the list changes as follows:



Automatic updating of the ensemble list

When you perform the BTM function for the first time, all the ensembles available in your area are automatically stored. When you perform the BTM function again, the contents of these lists are updated in accordance with the conditions described on page 25.
An ensemble is added to the respective list when it is received during Automatic Tuning or Manual Tuning but is unlisted.
An unlisted ensemble is also deleted from the respective list when:
- you select an ensemble from the list, but it cannot be received.
- you perform Automatic Tuning or Manual Tuning to receive a listed ensemble, service, or the component, but it cannot be received.

Settings on the audio reception

DAB can contain multi-channel audio. You can select main or sub-channel for reception. Also, if you turn on the DRC (Dynamic Range Control) function, the dynamic range on the service which supports DRC can automatically be extended.
The following items can be set:
- Main/Sub — to selects chennel between "Main"(main-cannel) and "Sub"(sub-cannel).
- DRC — to turn on or off the function.

1 While listening to a DAB programme, press MENU.

2 Press ↑ or ↓ repeatedly until "DRC" or "Main (or Sub)" appears.

3 Press ← or → to select the desired setting (Example: "on" or "off").

4 Press ENTER.

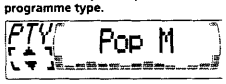
Note
"Main (or Sub)" appears in the menu only when the unit is receiving a multi-channel programme.

Locating a DAB service by programme type (PTY)

You can use the PTY (Programme type selection) function to tune in the programme you want.

1 While listening to a DAB programme, press DSPL/PTY.

2 Press ↑ or ↓ repeatedly to select the programme type.



The programme types appear in the order shown on the page 22.

3 Press ENTER.

DSP

Setting the equalizer

You can select an equalizer curve for five music types (Rock, Vocal, Groove, Techno, and Custom).
You can store and adjust the equalizer settings for frequency and level.

Selecting the equalizer curve

1 Press SOURCE to select a source (tuner, CD, or MD).

2 Press SOUND repeatedly until "EQ" appears.

3 Press ← or → to select the desired equalizer curve.
Rock ↔ Vocal ↔ Groove ↔ Techno ↔ Custom ↔ off

To cancel the equalizing effect, select "off." After three seconds, the display returns to the normal playback mode.

Adjusting the equalizer curve

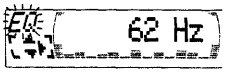
1 Press MENU.

2 Press ↑ or ↓ repeatedly until "EQ Tune" appears.

3 Press ENTER.

4 Press ← or → to select the desired equalizer curve.
Rock ↔ Vocal ↔ Groove ↔ Techno ↔ Custom ↔ off

5 Press ENTER.



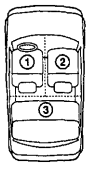
6 Press ← or → to select the desired frequency.
62 Hz ↔ 157 Hz ↔ 396 Hz ↔ 1.0 kHz ↔ 2.5 kHz ↔ 6.3 kHz ↔ 16.0 kHz

7 Press ↑ or ↓ to select the desired level.
The volume is adjustable by 1 dB steps from –12 dB to +12 dB.
To restore the factory-set equalizer curve, press ENTER for two seconds.

8 Press MENU twice.
When the effect setting is complete, the normal playback mode appears.

Selecting the listening position

You can set a delayed time for the sound to reach the listeners from the speakers.
In this way, the unit can simulate a natural sound field so that you feel as if you are in the centre of the sound field no matter where you sit in the car.



Display window	Centre of sound field
POS All	Normal setting (① + ② + ③)
POS Front	Front part (① + ②)
POS Front-R	Right front (②)
POS Front-L	Left front (①)
POS Rear	Rear part (③)
POS off	Cancel

1 Press SOURCE to select a source (tuner, CD, or MD).

2 Press SOUND momentarily until "POS" appears.

3 Press ← or → to select the desired listening position.
All ↔ Front ↔ Front-R ↔ Front-L ↔ Rear ↔ off

The listening positions appear in the order shown above.

To cancel the POS mode, select "off." After three seconds, the display returns to the normal playback mode.

Selecting a soundstage menu

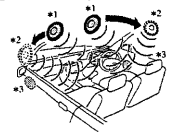
— Dynamic Soundstage Organizer (DSO)

If your speakers are installed into the lower part of the doors, the sound will come from below and may not be clear.
The DSO (Dynamic Soundstage Organizer) function creates a more ambient sound as if there were speakers in the dashboard (virtual speakers).

Soundstage menu

Memory presets	Meaning
DSO1 – 3	Virtual speakers (Standard)
DSO Wide	Virtual speakers (Wide)
DSO off	Cancel

Image of virtual speakers

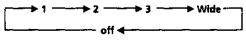


**1 Standard*
**2 Wide*
**3 Acutual speakers position (lower part of the front doors).*

Selecting the DSO

1 Press SOURCE to select a source (tuner, CD, or MD).

2 Press DSO repeatedly to select the desired DSO mode.



To cancel the DSO mode, select "off." After three seconds, the display returns to the normal playback mode.

MC-Service

Adjusting the balance (BAL)

You can adjust the sound balance from the left and right speakers.

1 Press (SOURCE) to select a source (tuner, CD, or MD).

2 Press (SOUND) repeatedly until "BAL" appears.

3 Press ← or → to adjust the balance.
After three seconds, the display returns to the normal playback mode.

Adjusting the front and rear fader

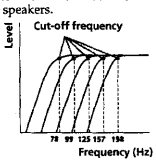
1 Press (SOURCE) to select a source (tuner, CD, or MD).

2 Press (SOUND) repeatedly to select the "F" for the front speakers or "R" for the rear speakers.

3 Press ← or → to adjust the volume of front/rear speakers.
After three seconds, the display returns to the normal playback mode.

Adjusting the cut-off frequency and the output volume level for the front/rear speakers

To match the characteristics of the installed speaker system, you can adjust the output volume level and select the cut-off frequency of the speakers.



1 Press (MENU).

2 Press ↑ or ↓ repeatedly to select "Front HPF" or "Rear HPF"

3 Press (ENTER).

4 Press ← or → to select the cut-off frequency.
off ↔ 78 Hz ↔ 99 Hz ↔ 125 Hz ↔ 157 Hz ↔ 198 Hz

5 Press ↑ or ↓ to adjust the volume level.
The volume is adjustable by 1 dB steps from –12 dB to +12 dB.

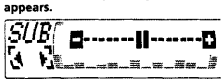
Tip
When you lower the volume all the way down, "ATT" appears and the cut-off frequency is disabled.

6 Press (MENU) twice.
When the effect setting is complete, the normal playback mode appears.

Adjusting the volume of the subwoofer(s)

1 Press (SOURCE) to select a source (tuner, CD, or MD).

2 Press (SOUND) repeatedly until "SUB" appears.

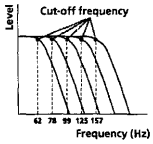


3 Press ← or → to adjust the volume.
After three seconds, the display returns to the normal playback mode.

Tip
When you press (VOL) repeatedly to adjust the volume all the way down, "Sub ATT" appears and the cutout frequency of the subwoofer is disabled.

Adjusting the frequency of the subwoofer(s)

To match the characteristics of the connected subwoofer(s), you can cut out the unwanted high and middle frequency signals entering the subwoofer(s). By setting the cut-off frequency (see the diagram below), the subwoofer(s) will output only low frequency signals so you can get a clearer sound image.



1 Press (MENU).

2 Press (MENU) repeatedly until "SUB LPF" appears.

3 Press (ENTER).

4 Press ← or → to select the desired cut-off frequency.
The cut-off frequency in the display changes as follows:
62 ↔ 78 ↔ 99 ↔ 125 ↔ 157 ↔ off

5 Press ↑ or ↓ to adjust the volume.

6 Press (MENU) twice.
After the frequency setting is complete, the display returns to the normal playback mode.

Listening to each programme source in its registered DSO

— Source Sound Memory (SSM)

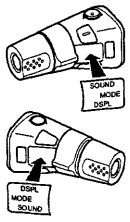
Each time you return to the same source, you can hear the same DSO menu and equalizer curve registered for that source, even after changing the programme source or turning the unit off and then on again.

Other Functions

You can also control the unit with a rotary commander (optional).

Labelling the rotary commander

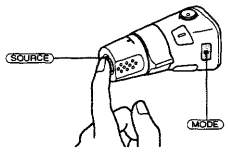
Depending on how you mount the rotary commander, attach the appropriate label as shown in the illustration below.



Using the rotary commander

The rotary commander works by pressing buttons and/or rotating controls.
You can also control an optional CD/MD unit with the rotary commander.

By pressing buttons (the SOURCE and MODE buttons)



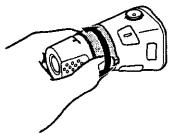
Each time you press (SOURCE), the source changes as follows:
Tuner → CD → MD*

** If the corresponding optional equipment is not connected, this item will not appear.*

Pressing (MODE) changes the operation in the following ways:
- **Tuner: FM1 → FM2 → FM3 → MW → LW**
- **CD unit: CD1 → CD2 → ...**
- **MD unit*: MD1 → MD2 → ...**

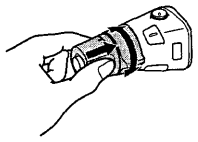
** If the corresponding optional equipment is not connected, the item will not appear.*

By rotating the control (the SEEK/AMS control)



Rotate the control momentarily and release it to:
- Locate a specific track on a disc. Rotate and hold the control until you locate the specific point in a track, then release it to start playback.
- Tune in stations automatically. Rotate and hold the control to find a specific station.

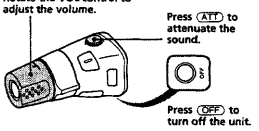
By pushing in and rotating the control (the PRESET/DISC control)

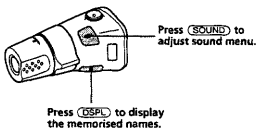


Push in and rotate the control to:
- Receive the stations memorised on the number buttons.
- Change the disc.

Other operations

Rotate the VOL control to adjust the volume.

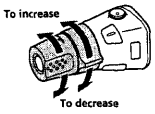




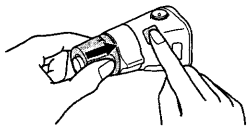
Tip
If your car has no ACC (accessory) position on the ignition key switch, be sure to press (OFF) for two seconds to turn off the clock indication after turning off the engine.

Changing the operative direction

The operative direction of controls is factory-set as shown below.



If you need to mount the rotary commander on the right hand side of the steering column, you can reverse the operative direction.



Press (SOUND) for two seconds while pushing the VOL control.

Tip
You can also change the operative direction of these controls with the unit (see "Changing the sound and display settings" on page 35).

Adjusting the sound characteristics (CDX-M600R only)

You can adjust the bass, treble, balance, and fader.
You can store the bass and trebie levels independently for each source.

1 Select the item you want to adjust by pressing (SOUND) repeatedly.
Each time you press (SOUND), the item changes as follows:
BAS (bass) → TRE (treble) → BAL (left-right) → FAD (front-rear)

2 Adjust the selected item by pressing ← or →.
When adjusting with the rotary commander, press (SOUND) and rotate the VOL control.

Note
Adjust within three seconds after selecting the item.

Attenuating the sound

Press (ATT) on card remote commander or the rotary commander.
"ATT on" appears momentarily.

To restore the previous volume level, press (ATT) again.

Tip
When the interface cable of a car telephone is connected to the ATT lead, the unit decreases the volume automatically when a telephone call comes in (Telephone ATT function).

Changing the sound and display settings

The following items can be set:

Set (setting)

- Clock (page 9)
- CT (Clock Time) (page 23)
- Beep — to turn the beeps on or off.
- RM (Rotary Commander) — to change the operative direction of the controls of the rotary commander.
  — Select "norm" to use the rotary commamder as the factory-set position.
  — Select "rev" when you mount the rotary commander on the right side of the steering column.
- English/Spanish/Portuguese/Swedish — to change the display language to English, Spanish, Portuguese or Swedish.

Dis (Display)

- Dimmer — to change the brightness of the display.
  — Select "Auto" to dim the display only when you turn the lights on.
  — Select "on" to dim the display.
  — Select "off" to deactivate Dimmer.
- Contrast — to adjust the contrast if the indications in the display are not recognisable because of the unit's installed position.
- D.Info (Dual Information) — to display the clock and the play mode at the same time (on) or to display the information alternately (off).
- M.Dspl (Motion Display) — to turn the motion display on or off.
- A.Scrl (Auto Scroll)*1 (page 11)

Snd (Sound)

- EQ Tune*2 (Equalizer tuning) — to adjust the frquency and volume level of equalizer curve.
- Front HPF*2 (High pass filter for the front pre-output) — to select the cut-off frequency of the front pre-output.
- Rear HPF*2 (High pass filter for the rear pre-output) — to select the cut-off frequency of the rear pre-output.
- SUB LPF (Low pass filter for the subwoofer output)*2 — to select the roll off frequency of the subwoofer output.

1 Press (MENU).

2 Press ↑ or ↓ repeatedly until the desired item appears.
Each time you press ↓, the item changes as follows:
Example
Clock → CT → Beep → RM → English/Spanish/Portuguese/Swedish → D.Info → SA → Dimmer → Contrast → M.Dspl → A.Scrl*1 → EQ tune*2 → Front HPF*2 → Rear HPF*2 → SUB LPF*2

1 When no CD or MD is playing, this item will not appear.
2 CDX-M700R only

Note
The displayed item will differ depending on the source.

Tip
You can easily switch among categories ("Set," "Snd," "P/M" (Play Mode) and "Dis") by pressing ↑ or ↓ for two seconds.

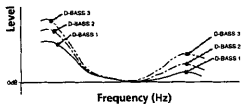
3 Press → to select the desired setting (Example: on or off) or press ← or → repeatedly to select the frequency (Example: off, 78 Hz or 125 Hz).
For the "Contrast" setting, pressing → makes the contrast higher, and pressing ← makes the contrast lower.

4 Press (ENTER).
After the mode setting is completed, the display returns to normal play mode.

Boosting the bass sound

— D-bass (CDX-M600R only)

You can enjoy a clear and powerful bass sound.
The D-bass function boosts the low and high frequency signal with a sharper curve than conventional bass boost.
You can hear the bass line more clearly even while the vocal volume remains the same. You can emphasize and adjust the bass sound easily with the D-BASS button.



Adjusting the bass curve

Press (D-BASS) repeatedly to select the desired bass curve.
As the D-BASS number increases so does the effect.

D-BASS 1 → D-BASS 2 → D-BASS 3 → D-BASS off

Note
The bass sound may distort at same volume. If the bass sound distorts, select less effective bass curve.

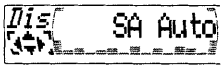
Selecting the spectrum analyser

The sound signal level is displayed on a spectrum analyser. You can select a display pattern from 1 to 6, or the automatic display mode.

1 Press (SOURCE) to select a source (tuner, CD, or MD).

2 Press (MENU).

3 Press ↑ or ↓ repeatedly until "SA" appears.



4 Press ← or → repeatedly to select the desired setting.

SA 1 ↔ ... SA 6
SA Auto* ↔ SA off

** All of these display patterns appear one by one automatically.*

5 Press (ENTER).

Adjusting the sound and frequency of the equalizer preamplifier (CDX-M600R only)

This unit can also control an optional equalizer preamplifier.
This lets you add some effects to the sound field of the currently selected source.

For details, refer to the instructions manual supplied with the equalizer preamplifier.

MC-Service

CDX-M750

With Optional Equipment

TV/Video

You can connect an optional TV tuner and TV monitor to this unit.

Watching the TV

1 Press (SOURCE) repeatedly until "TV" appears.

2 Press (MODE) repeatedly to select the desired TV band.

Watching a video

1 Press (SOURCE) repeatedly until "TV" appears.

2 Press (MODE) repeatedly to select "AUX."
Play the video.

Notes
- *"AUX 2" appears if the VIDEO 2 terminal of the TV monitor is selected.*
- *The indication automatically switched to "AUX 1" soon after "AUX" is displayed.*

Memorizing TV channels automatically

The unit selects the TV channels with the strongest signals and memorizes them in the order of their frequency.

Caution
When tuning in a station while driving, use Best Tuning Memory to prevent accidents.

1 Press (SOURCE) repeatedly until "TV" appears.

2 Press (MENU), then press ↑ or ↓ until "Auto Mem" appears.

3 Press (ENTER).
The unit stores TV channels in the order of their frequencies on the number buttons.
A beep sounds when the setting is stored.

Notes
- *The unit does not store TV channels with weak signals. If only a few TV channels can be received, some number buttons will remain empty.*
- *When a preset number is indicated in the display, the unit starts storing TV channels from the one currently displayed.*

Memorizing only the desired TV channels

You can store up to 12 channels (six each for TV1 and TV2) on the number buttons in the order of your choice.

1 Press (SOURCE) repeatedly until "TV" appears.

2 Press ← or → to tune in the TV channel you want to store on each number button.

3 Press and hold the desired number button (1 to 6) of the unit until you hear a beep sound.
The number button indication and "Mem" appear in the display.

Note
If you try to store another channel on the same number button, the previously stored channel will be erased.

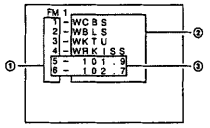
Storing the TV channel names

Follow the steps in "Storing the station names" (page 18).

Displaying the TV or radio station names

Press (LIST) during TV or radio reception.

Example: When receiving the FM1 band



① Preset numbers
② Stored station names
③ Frequencies*
* *If the name of a station is not stored, the frequency of that station will be displayed instead.*

Notes
- *It may take some time before all indications appear in the display.*
- *The TV channel does not appear during list display.*
- *The contents of the preset memory cannot be listed when the unit is in simultaneous play mode (page 31).*

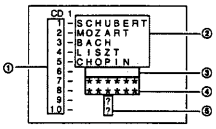
Turning off the display

During radio reception, press (LIST) again.
During TV reception, the list display on the TV monitor will automatically turn off after a few seconds.

Displaying the information stored on discs

Press (LIST) during CD/MD playback.

Example: When CD unit 1 is selected.



① Disc numbers
② Titles stored as custom files
③ No disc is loaded*1
④ No stored titles*2
⑤ TOC information has not been identified yet*3
*1 *A blank space is displayed next to a disc number represents empty slots in the disc magazine.*
*2 *If a title is not registered in the custom file, "******" is displayed.*
*3 *If the disc information has not yet been read by the unit, "?" is displayed.*

Notes
- *It may take some time before all indications appear in the display.*
- *The TV channel does not appear during list display.*
- *The contents of the preset memory cannot be listed when the unit is in the simultaneous play mode.*

Turning off the display

Press (LIST) again.

Watching the TV or video while listening to a CD or MD — Simultaneous Play

The simultaneous play function does not work while you are listening to the radio.

1 Press (MENU), then press ↑ or ↓ repeatedly until "Simul Sel" appears.

2 Press (ENTER).

3 Press ←.

4 Press (SOURCE) repeatedly to select CD or MD.

5 Press →.

6 Press (SOURCE) repeatedly until "TV" appears, then press (MODE) repeatedly to select a TV or video.
Each time you press (MODE), the item changes as follows:
TV 1 → TV 2 → V 1 (VIDEO 1)

Press (ENTER).
Simultaneous Play starts.

If you are already watching the TV or video and want to listen to a CD or MD as well, follow the same steps.

Returning to normal mode

To cancel the CD or MD, select "- - -" in step 4.

To cancel the TV or video, select "- - -" in step 6.

Note
If you press ⏏ (EJECT) on a CD/MD unit while the unit is in simultaneous play mode, Simultaneous Play is canceled.

CDX-M700R

Connections

Cautions

- This unit is designed for negative earth 12 V DC operation only.
- Be careful not to pinch any wires between the screw and the body of the car, or this unit, or between any moving parts such as the seat railing, etc.
- Connect the power connecting cord (8) to the unit and speakers before connecting it to the auxiliary power connector.
- **Run all earth wires to a common earth point.**
- Connect the yellow cord to a free car circuit rated higher than the unit's fuse rating. If you connect this unit in combination with other stereo components, the car circuit they are connected to must be rated higher than the sum of the individual components' fuse rating. If there are no car circuits rated as high as the unit's fuse rating, connect the unit directly to the battery. If no car circuits are available for connecting this unit, connect the unit to a car circuit rated higher than the unit's fuse rating in such a way that if the unit blows its fuse, no other circuits will be cut off.

Warning when installing in a car without ACC (accessory) position on the ignition key switch

Be sure to press (OFF) on the unit for two seconds to turn off the clock display after turning off the engine.
When you press (OFF) only momentarily, the clock display does not turn off and this causes battery wear.

Notes of connection example

Notes on the control leads

- *The power aerial control lead (blue) supplies +12 V DC when you turn on the tuner or when you activate the AF (Alternative Frequency), TA (Traffic Announcement) function.*
- *A power aerial without a relay box cannot be used with this unit.*
- *When your car has built-in FM/MW/LW aerial in the rear/side glass, it is necessary to connect the power aerial control lead (blue) or the accessory power input lead (red) to the power terminal of the existing aerial booster. For details, consult your dealer.*

Warning
If you have a power aerial without a relay box, connecting this unit with the supplied power connecting cord (8) may damage the aerial.

Memory hold connection
When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection

- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.*
- *Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Do not connect any active speakers (with built-in amplifiers) to the speaker terminals of the unit. Doing so may damage the active speakers. Therefore, be sure to connect passive speakers to these terminals.*

Conexiones

Precauciones

- Esta unidad ha sido diseñada para alimentarse con 12 V CC, negativo a masa, solamente.
- Tenga cuidado de no atrapar ningún cable entre algún tornillo y la carrocería del automóvil o esta unidad o entre las partes móviles, como por ejemplo los railes del asiento, etc.
- Conecte el cable de conexión de alimentación (8) a la unidad y los altavoces antes de conectarlo al conector de alimentación auxiliar.
- **Conecte todos los conductores de puesta a masa a un punto común.**
- Conecte el cable amarillo a un circuito libre del automóvil de potencia nominal superior a la del fusible de la unidad. Si conecta esta unidad en combinación con otros componentes estéreo, la potencia nominal del circuito del automóvil a los que dichos componentes estén conectados debe ser superior a la suma de la potencia nominal del fusible de los componentes. Si no existen circuitos de automóvil de potencia nominal tan alta como la del fusible de la unidad, conecte ésta directamente a la batería. Si no hay circuitos de automóvil disponibles para conectar esta unidad, conecte la misma a un circuito de automóvil de potencia nominal superior a la del fusible de la unidad de forma que no se desactiven otros circuitos si el fusible de dicha unidad se funde.

Advertencia sobre la instalación en un automóvil que no disponga de posición ACC (accesorios) en el interruptor de la llave de encendido

Asegúrese de pulsar (OFF) en la unidad durante dos segundos para desactivar la indicación del reloj después de apagar el motor.
Si pulsa (OFF) sólo momentáneamente, la indicación del reloj no se desactivará y esto causará el desgaste de la batería.

Notas de ejemplo de conexiones

Notas sobre conductores de control

- *El conductor (azul) de control de la antena motorizada suministra +12 V CC al encender el sintonizador o al activar la función AF (Frecuencias alternativas) o TA (Anuncios de tráfico).*
- *Con esta unidad no podrá utilizarse una antena motorizada sin caja de relés.*
- *Si el automóvil dispone de una antena de FM/AM incorporada en el cristal trasero/ lateral, será necesario conectar el cable de control de antena motorizada (azul) o el cable de entrada de alimentación auxiliar (rojo) al terminal de alimentación del amplificador de antena existente. Para obtener información detallada, consulte a su proveedor.*

Advertencia
Si dispone de una antena motorizada sin dispositivo de relé, la conexión de esta unidad con el cable de conexión de alimentación (3) suministrado puede dañar la antena.

Conexión para protección de la memoria
Si conecta el conductor de entrada amarillo, el circuito de la memoria recibirá siempre alimentación, incluso aunque ponga la llave de encendido en la posición de apagado.

Notas sobre la conexión de los altavoces

- *Antes de conectar los altavoces, desconecte la alimentación de la unidad.*
- *Utilice altavoces con una impedancia de 4 a 8 ohmios, y con la potencia máxima admisible adecuada, ya que de lo contrario podría dañarlos.*
- *No conecte los terminales del sistema de altavoces al chasis del automóvil, ni los del altavoz izquierdo a los del derecho.*
- *No intente conectar los altavoces en paralelo.*
- *No conecte altavoces activos (con amplificadores incorporados) a los terminales de altavoces de la unidad. Si lo hiciese, podría dañar tales altavoces. Por lo tanto, cerciórese de conectar altavoces pasivos a estos terminales.*

Anslutning

Säkerhetsföreskrifter

- Denna bilstereo är endast avsedd för anslutning till ett negativt jordat, 12 V bilbatteri.
- Var noga med att inga kablar kläms mellan någon skruv eller att de blir klämda mellan rörliga delar som t.ex. bilsätet.
- Anslut strömkabeln (8) till enheten och högtalarna innan du ansluter den till den yttre strömanslutning.
- **Dra samtliga jordledningar till en och samma jordningspunkt.**
- Anslut den gula kabeln till en ledig bilkrets med en högre ampere än enhetens. Om du seriekopplar enheten till andra stereokomponenter måste den bilkrets de kopplas till ha en högre ampere än summan av de enskilda delarnas amperestyrka. Om det inte finns några bilkretsar med en så hög amperestyrka som enhetens ska du ansluta enheten direkt till batteriet. Om inga bilkretsar finns för anslutning till enheten ska du ansluta enheten till en bilkrets med en högre ampere än enhetens styrka så att inga andra säkringar går om enhetens säkring smälter.

Var försiktig när du gör installationen i en bil där tändningslåset saknar tillbehörsläge (ACC)

Glöm inte att stänga av klockvisningen när du har stängt av motorn. Du stänger av den genom att trycka på (OFF) på enheten under två sekunder.
Om du bara trycker på (OFF) ett kort ögonblick slocknar inte klockans teckenfönster, vilket leder till att batteriet laddas ur.

Att observera angående anslutningsexemplen

Att observera angående de olika styrkablarna

- *Motorantennens strykabel (blå) leder +12 V DC när du slår på radion och när du aktiverar någon av funktionerna AF (alternativ frekvens) eller TA (trafikmeddelanden).*
- *En motorantenn utan styrrelädosa kan inte anslutas till denna bilstereo.*
- *Om bilen har en antenn inbyggd i bak- eller sidorutan måste du ansluta motorantennens kontrollkabel (blå) eller strömkabeln för tillbehör (röd) till strömterminalen på den befintliga antennförstärkaren. Din återförsäljare kan ge dig mer information om detta.*

Varning
Om du har en motorantenn utan reläbosa kan antennen skadas om du ansluter enheten med den medföljande strömkabeln (8).

Anslutning för minnesstöd
När du anslutit den gula, ingående strömkabeln försörjs minneskretsen med ström hela tiden, även när tändlåset slås ifrån.

Att observera angående högtalarnas anslutning

- *Slå av bilstereon innan du ansluter högtalarna.*
- *Anslut endast högtalare, vars impedans varierar från 4 till 8 ohm och som har tillräcklig effekthanteringskapacitet för att skydda högtalarna mot skador.*
- *Anslut inte något av högtalaruttagen till bilens chassi. Anslut inte heller uttagen på höger högtalare till uttagen på vänster högtalare.*
- *Anslut inte högtalarna parallellt.*
- *Anslut inte aktiva högtalare (med inbyggda slutsteg) till bilstereons högtalaruttag, eftersom de kan skada de aktiva högtalarna. Var noga med att bara ansluta passiva högtalare till dessa uttag.*

Ligações

Advertência

- Este aparelho foi concebido para funcionar somente com corrente contínua de 12 V com negativo à massa.
- Tenha cuidado para que os fios não fiquem entalados entre os parafusos e a carroçaria do automóvel ou a caixa do aparelho, nem entre as peças móveis, por exemplo, as calhas dos bancos, etc.
- Ligue o cabo de alimentação de corrente (8) ao aparelho e aos altifalantes antes de o ligar ao conector de corrente auxiliar.
- **Ligue todos os fios de terra num ponto de massa comum.**
- Ligue o cabo amarelo a um circuito eléctrico livre do automóvel, cuja tensão seja superior à dos fusíveis do aparelho. Se ligar este aparelho em série com outros componentes estéreo, a tensão do circuito eléctrico do automóvel onde os ligar tem de ser superior à soma das tensões dos fusíveis de todos os componentes individuais. Se não houver nenhum circuito eléctrico do automóvel com uma tensão tão elevada como a dos fusíveis do aparelho, ligue-o directamente à bateria. Se não estiver disponível nenhum circuito eléctrico do automóvel para ligação deste aparelho, ligue-o a um circuito eléctrico do automóvel com uma potência nominal superior à dos fusíveis do aparelho, de tal modo que, se o aparelho rebentar os fusíveis respectivos, nenhum outro circuito seja cortado.

Aviso sobre a instalação num automóvel sem posição ACC (acessórios) na chave de ignição

Carregue em (OFF) no aparelho durante dois segundos para desligar o relógio, depois de desligar o motor.
Se carregar em (OFF) menos de dois segundos, o visor do relógio não se apaga o que provoca o desgaste da bateria.

Notas sobre o exemplo de ligação

Notas sobre os fios de controlo

- *O fio de controlo da antena eléctrica (azul) fornece +12 V DC quando ligar o sintonizador ou quando activar a função AF (Frequência alternativa), ou TA (Informações sobre o trânsito).*
- *Com este aparelho, não pode utilizar uma antena eléctrica sem relé.*
- *Se o automóvel tiver uma antena FM/AM integrada no vidro traseiro/lateral, é necessário ligar o fio de controlo da antena eléctrica (azul) ou o cabo de alimentação para acessórios (vermelho) ao terminal eléctrico do amplificador de sinal de antena existente. Para obter mais informações, contacte o concessionário.*

Atenção
Se a antena eléctrica não tiver uma caixa de relé, o facto de ligar este aparelho com o cabo de alimentação (8) fornecido, pode provocar danos na antena.

Ligação para alimentação contínua da memória
Quando o fio amarelo de entrada de alimentação for ligado, os circuitos de memória ficarão com alimentação contínua, mesmo se a chave de ignição estiver desligada.

Notas sobre a ligação dos altifalantes

- *Antes de ligar os altifalantes, desligue o aparelho.*
- *Utilize altifalantes com impedância de 4 a 8 ohm, e com uma potência máxima admissível adequada. Caso contrário, os altifalantes poderão sofrer avarias.*
- *Não ligue os terminais do sistema de altifalantes ao chassis do automóvel, e não ligue os terminais do altifalante direito aos terminais do altifalante esquerdo.*
- *Não tente ligar os altifalantes em paralelo.*
- *Não ligue nenhum sistema de altifalantes activos (com amplificadores incorporados) aos terminais dos altifalantes do aparelho. Se o fizer, pode avariar o sistema de altifalantes activos. Portanto, não se esqueça de ligar altifalantes passivos a estes terminais.*

Подсоединение

Предостережения

- Данная автомагнитола предназначена для подключения только к 12-вольтному аккумулятору постоянного тока с заземлением минуса на массу.
- Следите за тем, чтобы не защемить какие-либо провода между винтом и корпусом автомобиля или магнитолы либо между подвижными частями в салоне автомобиля, например, передним сиденьем и металлическими направляющими рейками под ним.
- Подсоедините шнур питания (8) сначала к магнитоле и громкоговорителям, а уже потом - к контактам внешнего источника питания.
- **Подведите все провода заземления к одной и той же точке заземления.**
- Подсоедините желтый провод к свободной электроцепи автомобиля с большей силой тока чем та, на которую рассчитан предохранитель магнитолы. Если Вы подсоединяете эту магнитолу в сочетании с другими компонентами стереосистемы, сила тока в электроцепи автомобиля, к которой они подключаются, должна быть больше суммы значений силы тока, на которую рассчитаны предохранители отдельных компонентов. В случае отсутствия в автомобиле контура со столь же высокой силой тока, как та, на которую рассчитан предохранитель магнитолы, подсоедините магнитолу напрямую к аккумулятору. В случае если в автомобиле нет свободных электроцепей для подсоединения магнитолы, подсоедините ее к автоэлектроцепи с силой тока выше того значения, на которое рассчитан предохранитель магнитолы, таким образом, чтобы если он перегорит, другие цепи не превались.

Предостережение относительно аппаратуры, установленной в автомобиле, замок зажигания в котором не имеет отдельного положения (ACC) для отключения подсоединенной аппаратуры

После выключения двигателя не забывайте нажать на две секунды кнопку (OFF) на аппарате, с тем чтобы отключить циферблат часов.
При слишком кратком нажатии (OFF) циферблат не отключается, что ведет к разрядке аккумуляторной батареи.

Примечания к примеру подсоединения

О проводах управления

- *По (синему) проводу питания антенны с электрическим приводом осуществляется подача постоянного тока напряжением +12 вольт при включении Вами радиоприемника или задействовании функций AF (альтернативные частоты), TA (дорожные сообщения).*
- *Электроприводная антенна, не снабженная релейным блоком, с данной магнитолой использоваться не может.*
- *В случае если Ваш автомобиль оснащен УКВ/СВ-антенной, встроенной в заднее/боковое стекло, необходимо подсоединить провод питания электроприводной антенны (синий) или провод питания дополнительной аппаратуры (красный) к гнезду питания на автомобильном антенном усилителе. За более подробной информацией обращайтесь к своему дилеру.*

Предостережение
Если Вы используете электроприводную антенну без релейного блока, подсоединение данной магнитолы посредством прилагаемого шнура питания (8) может привести к повреждению антенны.

Подсоединение для поддержки памяти
Когда к магнитоле подсоединен желтый электрический провод, блок памяти будет постоянно получать питание, даже при выключенном зажигании.

О подсоединении громкоговорителей

- *Прежде чем подсоединять громкоговорители, выключите магнитолу.*
- *Используйте громкоговорители с полным сопротивлением 4-8 Ом, обладающие способностью принимать достаточно мощный сигнал. В противном случае они могут быть повреждены.*
- *Не подсоединяйте контактные гнезда громкоговорителей к шасси автомобиля и не соединяйте гнезда правого громкоговорителя с гнездами левого.*
- *Не пытайтесь подсоединить громкоговорители параллельно.*
- *Не подсоединяйте к гнездам для громкоговорителей на магнитоле какие бы то ни было активные громкоговорители (со встроенным усилителем), поскольку это может привести к повреждению последних. Убедитесь в том, что подсоединяемые громкоговорители относятся к пассивному типу.*

Power connection diagram

Auxiliary power connector may vary depending on the car. Check your car's auxiliary power connector diagram to make sure the connections match correctly. There are three basic types (illustrated below). You may need to switch the positions of the red and yellow leads in the car stereo's power connecting cord.
After matching the connections and switched power supply leads correctly, connect the unit to the car's power supply. If you have any questions and problems connecting your unit that are not covered in this manual, please consult the car dealer.

Diagrama de conexión de alimentación

El conector de alimentación auxiliar puede variar en función del automóvil. Compruebe el diagrama del conector de alimentación auxiliar del automóvil para asegurarse de que las conexiones coinciden correctamente. Existen tres tipos básicos, ilustrados a continuación. Es posible que sea necesario cambiar las posiciones de los cables rojo y amarillo del cable de conexión de alimentación del sistema estéreo del automóvil.
Después de hacer coincidir correctamente las conexiones y los cables de alimentación conmutada, conecte la unidad al suministro de alimentación del automóvil. Si desea realizar alguna consulta o solucionar algún problema referentes a la conexión de la unidad que no aparezcan en este manual, consulte con el concesionario automovilístico.

Strömanslutningsschema

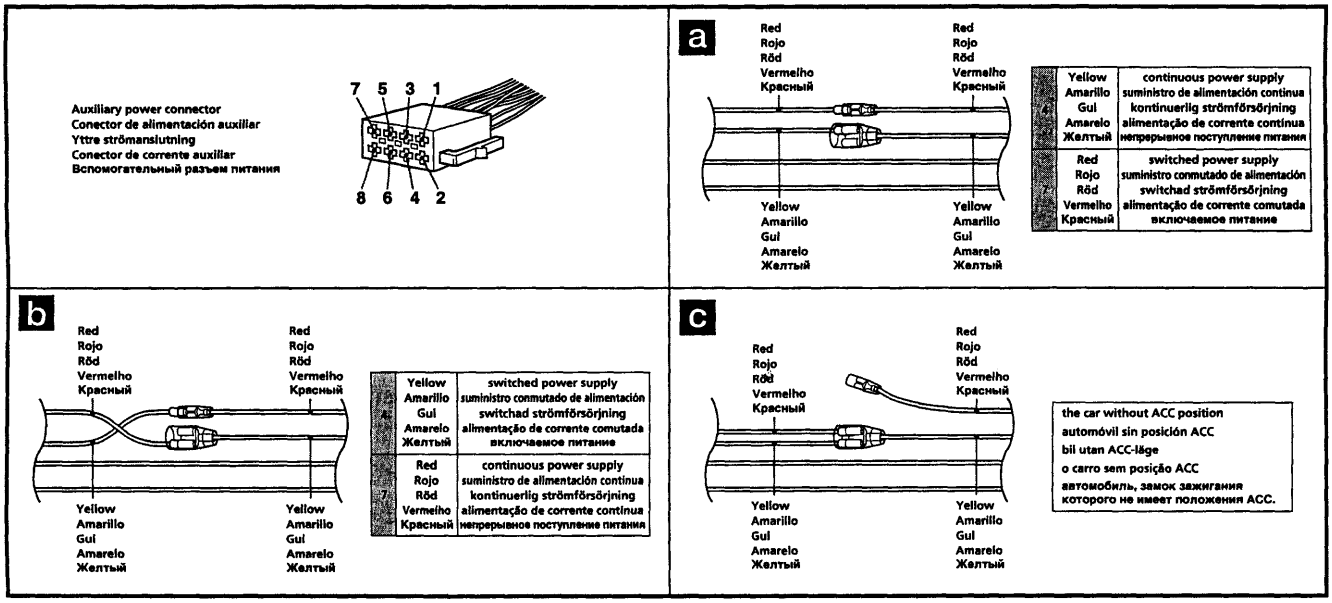
Typen av yttre strömanslutning varierar från bil till bil. Kontrollera schemat till strömanslutningen så att du ansluter på rätt sätt. Det finns tre grundläggande anslutningstyper (visas nedan). Du kan behöva skifta plats på bilstereons röda och gula strömförsörjningskablar.
Koppla kablarna för kontinuerlig respektive switchad strömförsörjning på rätt sätt och anslut sedan enheten till bilens strömanslutning. Om du får problem eller har frågor som inte besvaras i den här bruksanvisningen kan du kontakta biláterförsäljaren.

Diagrama de ligação de corrente

O conector auxiliar de corrente pode variar de carro para carro. Verifique o diagrama do conector auxiliar de corrente para se certificar de que as ligações estão bem feitas. Existem três tipos de conectores (ilustrados abaixo). Depois de fazer a correspondência entre as ligações e os terminais de alimentação de corrente comutada, ligue o aparelho à fonte de alimentação do carro. Se tiver alguma dúvida ou problema relacionado com o aparelho que não esteja incluído neste manual, consulte o concessionário.

Схема подключения питания

В разных автомобилях могут использоваться разные разъемы вспомогательного питания. Для того чтобы убедиться в правильности подсоединения, обязательно сверьтесь со схемой разъема подключения вспомогательного питания Вашего автомобиля. Есть три основных типа (как показано на рисунке ниже). Возможно, при подключении Вам придется поменять местами красный и желтый провода соединительного кабеля питания стереосистемы.
После проверки соответствия разводки разъемов автомобильного электропитания и проводов питания магнитолы подключите магнитолу к автомобильному контуру электропитания. Если у Вас возникли какие-либо вопросы или проблемы, связанные с подключением магнитолы, которые не рассматриваются в настоящем руководстве, обратитесь за советом к дилеру автомобильной фирмы.


Auxiliary power connector
Conector de alimentación auxiliar
Yttre strömanslutning
Conector de corrente auxiliar
Вспомогательный разъем питания
7 5 3 1
8 6 4 2
a
Red
Rojo
Röd
Vermelho
Красный
Yellow
Amarillo
Gul
Amarelo
Желтый
4 Yellow Amarillo Gul Amarelo Желтый — continuous power supply / suministro de alimentación continua / kontinuerlig strömförsörjning / alimentação de corrente contínua / непрерывное поступление питания
7 Red Rojo Röd Vermelho Красный — switched power supply / suministro conmutado de alimentación / switchad strömförsörjning / alimentação de corrente comutada / включаемое питание
b
4 Yellow Amarillo Gul Amarelo Желтый — switched power supply / suministro conmutado de alimentación / switchad strömförsörjning / alimentação de corrente comutada / включаемое питание
7 Red Rojo Röd Vermelho Красный — continuous power supply / suministro de alimentación continua / kontinuerlig strömförsörjning / alimentação de corrente contínua / непрерывное поступление питания
c
the car without ACC position
automóvil sin posición ACC
bil utan ACC-läge
o carro sem posição ACC
автомобиль, замок зажигания которого не имеет положения ACC.

Connection example

*¹ *Note for the aerial connecting*
If your car aerial is an ISO (International Organisation for Standardisation) type, use the supplied adaptor ⑧ to connect it. First connect the car aerial to the supplied adaptor, then connect it to the aerial jack of the master unit.
*² *RCA pin cord (not supplied)*

Ejemplo de conexiones

*¹ *Nota sobre la conexión de la antena*
Si la antena del automóvil es del tipo ISO (International Organization for Standardization), emplee el adaptador suministrado ⑧ para conectarla. En primer lugar, conecte la antena del automóvil al adaptador suministrado y, a continuación, a la toma de antena de la unidad principal.
*² *Cable con clavijas RCA (no suministrado)*

Anslutningarna enligt exemplet

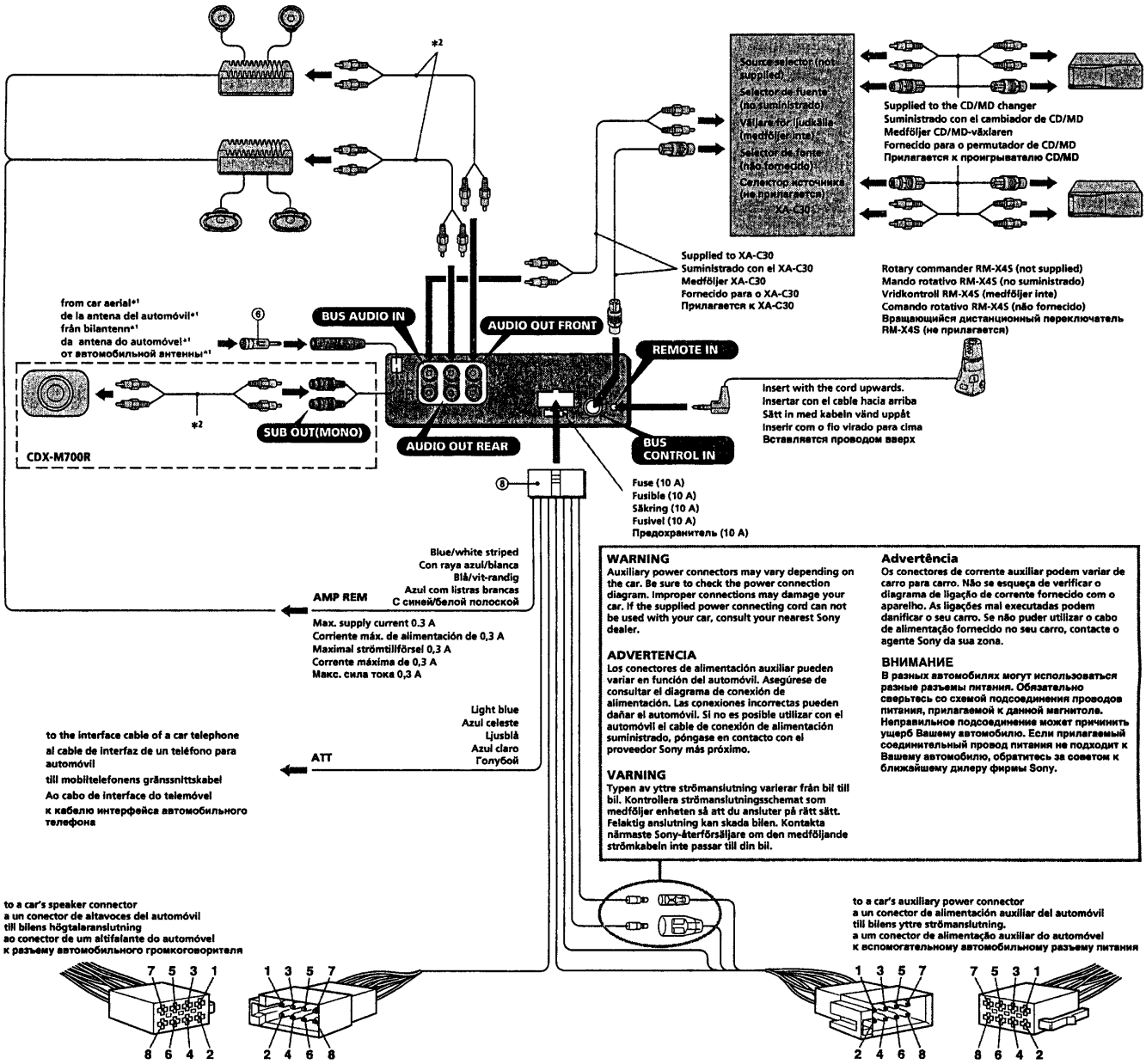
*¹ *Angående antennanslutning*
Om motorantennen är av ISO-typ (International Organization for Standardization), använder du medföljande adapter ⑧ för att ansluta den. Anslut först motorantennen till medföljande adapter och därefter till antennuttaget på huvudenheten.
*² *Kabel med RCA-kontakter (medföljer inte)*

Exemplo de ligações

*¹ *Nota referente à ligação da antena*
Se a antena do automóvel for uma antena de tipo ISO (International Organization for Standardization), utilize o adaptador fornecido ⑧ para fazer a ligação respectiva. Ligue primeiro a antena do automóvel ao adaptador fornecido e depois à ficha tipo jack de antena do sistema principal.
*² *Cabo de terminais RCA (não fornecido)*

Пример подсоединения

*¹ *Примечание о подсоединении антенны*
Если антенна в Вашем автомобиле относится к типу, утвержденному ISO (Международной организацией по стандартизации), используйте для ее подсоединения прилагаемый переходник ⑧. Сначала подсоедините автомобильную антенну к прилагаемому переходнику, а затем - к антенному гнезду магнитолы.
*² *Шнур с контактными штырьками RCA (не прилагается)*


*2
Source selector (not supplied)
Selector de fuente (no suministrado)
Väljare för ljudkälla (medföljer inte)
Selector de fonte (não fornecido)
Селектор источника (не прилагается)
XA-C30
Supplied to the CD/MD changer
Suministrado con el cambiador de CD/MD
Medföljer CD/MD-växlaren
Fornecido para o permutador de CD/MD
Прилагается к проигрывателю CD/MD
Supplied to XA-C30
Suministrado con el XA-C30
Medföljer XA-C30
Fornecido para o XA-C30
Прилагается к XA-C30
Rotary commander RM-X4S (not supplied)
Mando rotativo RM-X4S (no suministrado)
Vridkontroll RM-X4S (medföljer inte)
Comando rotativo RM-X4S (não fornecido)
Вращающийся дистанционный переключатель RM-X4S (не прилагается)
from car aerial*1
de la antena del automóvil*1
från bilantenn*1
da antena do automóvel*1
от автомобильной антенны*1
⑧
BUS AUDIO IN
AUDIO OUT FRONT
REMOTE IN
SUB OUT(MONO)
AUDIO OUT REAR
BUS CONTROL IN
CDX-M700R
*2
insert with the cord upwards.
insertar con el cable hacia arriba
Sätt in med kabeln vänd uppåt
Inserir com o fio virado para cima
Вставляется проводом вверх
Fuse (10 A)
Fusible (10 A)
Säkring (10 A)
Fusível (10 A)
Предохранитель (10 A)
Blue/white striped
Con raya azul/blanca
Blå/vit-randig
Azul com listras brancas
С синей/белой полоской
AMP REM
Max. supply current 0.3 A
Corriente máx. de alimentación de 0,3 A
Maximal strömtillförsel 0,3 A
Corrente máxima de 0,3 A
Макс. сила тока 0,3 A
Light blue
Azul celeste
Ljusblå
Azul claro
Голубой
ATT
to the interface cable of a car telephone
al cable de interfaz de un teléfono para automóvil
till mobiltelefonens gränssnittskabel
Ao cabo de interface do telemóvel
к кабелю интерфейса автомобильного телефона
WARNING
Auxiliary power connectors may vary depending on the car. Be sure to check the power connection diagram. Improper connections may damage your car. If the supplied power connecting cord can not be used with your car, consult your nearest Sony dealer.
ADVERTENCIA
Los conectores de alimentación auxiliar pueden variar en función del automóvil. Asegúrese de consultar el diagrama de conexión de alimentación. Las conexiones incorrectas pueden dañar el automóvil. Si no es posible utilizar con el automóvil el cable de conexión de alimentación suministrado, póngase en contacto con el proveedor Sony más próximo.
VARNING
Typen av yttre strömanslutning varierar från bil till bil. Kontrollera strömanslutningsschemat som medföljer enheten så att du ansluter på rätt sätt. Felaktig anslutning kan skada bilen. Kontakta närmaste Sony-återförsäljare om den medföljande strömkabeln inte passar till din bil.
Advertência
Os conectores de corrente auxiliar podem variar de carro para carro. Não se esqueça de verificar o diagrama de ligação de corrente fornecido com o aparelho. As ligações mal executadas podem danificar o seu carro. Se não puder utilizar o cabo de alimentação fornecido no seu carro, contacte o agente Sony da sua zona.
ВНИМАНИЕ
В разных автомобилях могут использоваться разные разъемы питания. Обязательно сверьтесь со схемой подсоединения проводов питания, прилагаемой к данной магнитоле. Неправильное подсоединение может причинить ущерб Вашему автомобилю. Если прилагаемый соединительный провод питания не подходит к Вашему автомобилю, обратитесь за советом к ближайшему дилеру фирмы Sony.
to a car's speaker connector
a un conector de altavoces del automóvil
till bilens högtalaranslutning
ao conector de um altifalante do automóvel
к разъему автомобильного громкоговорителя
to a car's auxiliary power connector
a un conector de alimentación auxiliar del automóvil
till bilens yttre strömanslutning.
a um conector de alimentação auxiliar do automóvel
к вспомогательному автомобильному разъему питания
7 5 3 1
8 6 4 2
1 3 5 7
2 4 6 8

1	Purple Púrpura Violett Violeta Фиолетовый	+	Speaker, Rear, Right Altavoz, parte posterior, derecho Högtalare, bakre, höger Altifalante, Parte de trás, Direito Громкоговоритель, задний, правый	5	White Blanco Vit Branco Белый	+	Speaker, Front, Left Altavoz, parte frontal, izquierdo Högtalare, främre, vänster Altifalante, Parte da frente, Esquerdo Громкоговоритель, передний, левый
2		–	Speaker, Rear, Right Altavoz, parte posterior, derecho Högtalare, bakre, höger Altifalante, Parte de trás, Direito Громкоговоритель, задний, правый	6		–	Speaker, Front, Left Altavoz, parte frontal, izquierdo Högtalare, främre, vänster Altifalante, Parte da frente, Esquerdo Громкоговоритель, передний, левый
3	Grey Gris Grå Cinzento Серый	+	Speaker, Front, Right Altavoz, parte frontal, derecho Högtalare, främre, höger Altifalante, Parte da frente, Direito Громкоговоритель, передний, правый	7	Green Verde Grön Verde Зеленый	+	Speaker, Rear, Left Altavoz, parte posterior, izquierdo Högtalare, bakre, vänster Altifalante, Parte de trás, Esquerdo Громкоговоритель, задний, левый
4		–	Speaker, Front, Right Altavoz, parte frontal, derecho Högtalare, främre, höger Altifalante, Parte da frente, Direito Громкоговоритель, передний, правый	8		–	Speaker, Rear, Left Altavoz, parte posterior, izquierdo Högtalare, bakre, vänster Altifalante, Parte de trás, Esquerdo Громкоговоритель, задний, левый

Negative polarity positions 2, 4, 6, and 8 have striped cords.
Las posiciones de polaridad negativa 2, 4, 6 y 8 tienen cables con raya.
De negativa polpositionerna 2, 4, 6 och 8 har randiga kablar.
As posições 2, 4, 6 e 8 (polaridade negativa) têm cabos às riscas.
Позиции отрицательной полярности 2, 4, 6 и 8 имеют провода с полосками.

4	Yellow Amarillo Gul Amarelo Желтый	continuous power supply suministro de alimentación continua kontinuerlig strömförsörjning alimentação de corrente contínua непрерывное поступление питания	7	Red Rojo Röd Vermelho Красный	switched power supply suministro conmutado de alimentación switchad strömförsörjning alimentação de corrente comutada включаемое питание
5	Blue Azul Blå Azul Синий	power aerial control control de antena motorizada styrning av motorantenn antena eléctrica антенная электрика	8	Black Negro Svart Preto Черный	earth toma de tierra jord Terra земля
6	Orange/White Naranja/blanco Orange/vit Cor de laranja/branco Оранжевый/белый	switched illumination power supply fuente de alimentación de iluminación conmutada Switchad strömförsörjning till belysning fonte de alimentação comutada para iluminação подача питания подсветки от зажигания			

Positions 1, 2 and 3 do not have pins.
Las posiciones 1, 2 y 3 no disponen de pines.
Positionerna 1, 2 och 3 saknar stift.
As posições 1, 2 e 3 não têm terminais.
Позиции 1, 2 и 3 не имеют контактных штырьков.

Connection diagram

Equipment used in illustrations (not supplied)

- Front speaker
- Altavoz delantero
- Främre högtalare
- Altifalante dianteiro
- Передний громкоговоритель

For connecting two or more CD/MD changers, the source selector XA-C30 (optional) is necessary.

Diagrama de conexiones

Equipo utilizado en las ilustraciones (no suministrado)

- Rear speaker
- Altavoz trasero
- Bakre högtalare
- Altifalante traseiro
- Задний громкоговоритель

Si desea conectar dos o más cambiadores, necesitará el selector de fuente XA-C30 (opcional).

Kopplingsschema

Utrustning som visas i illustrationer (medföljer inte)

- Power amplifier
- Amplificador de potencia
- Effektförstärkare
- Amplificador de potência
- Усилитель

För anslutning av två eller flera växlare krävs väljarna XA-C30 (tillval).

Diagrama de ligações

Equipamento utilizado nas ilustrações (não fornecido)

- CD/MD changer
- Cambiador de CD/MD
- CD/MD-skivväxlare
- Permutador CD/MD
- Проигрыватель CD/MD

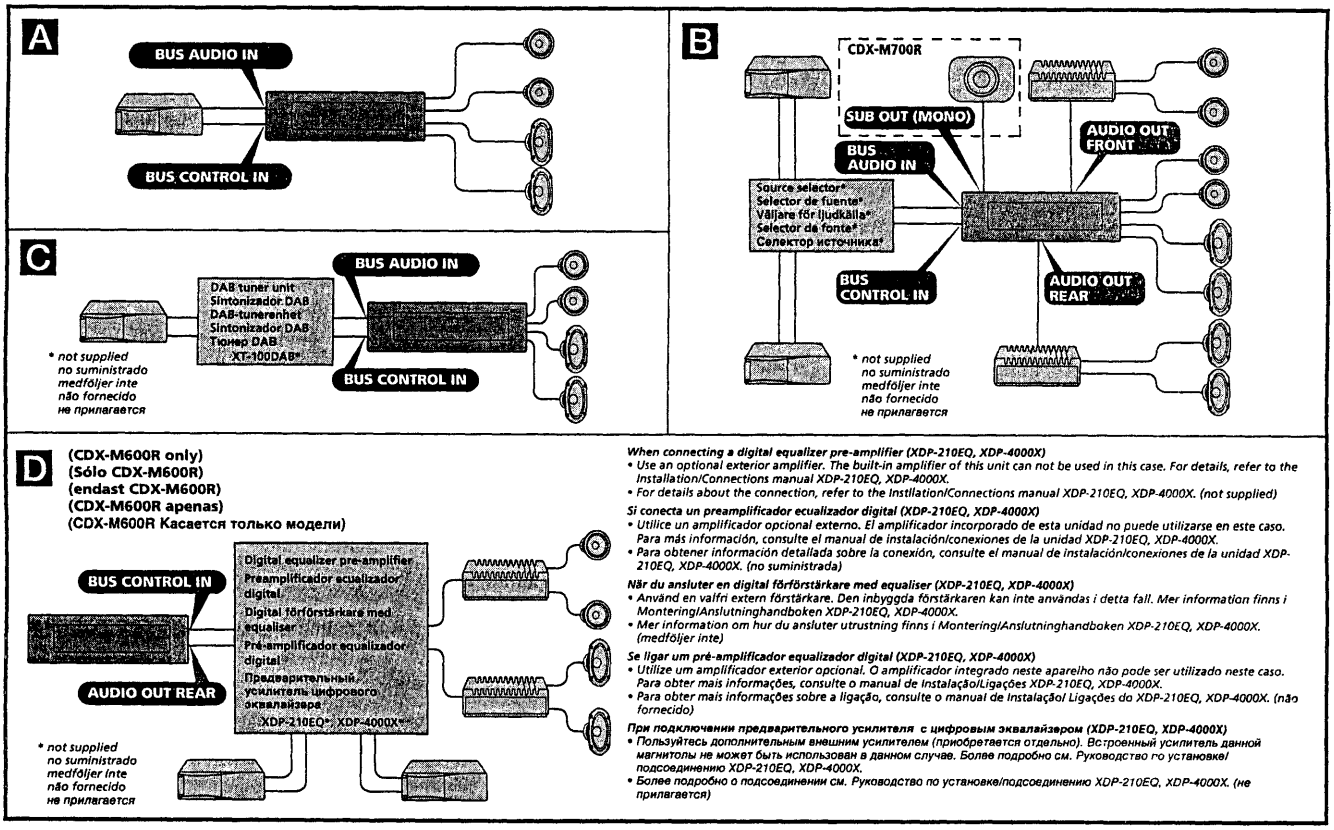
Para ligar um ou mais permutadores, é necessário o selector de fonte XA-C30 (opcional).

Схема подсоединения

Аппаратура, фигурирующая в иллюстрациях (не прилагается)

- Active subwoofer
- Altavoz potenciador de graves activo
- Aktiv subwoofer
- Subwoofer activo
- Активный низкочастотный громкоговоритель

Для подсоединения двух или более проигрывателей компакт-дисков необходим селектор источника XA-C30 (в комплект не входит).



When connecting a digital equalizer pre-amplifier (XDP-210EQ, XDP-4000X)

- *Use an optional exterior amplifier. The built-in amplifier of this unit can not be used in this case. For details, refer to the Installation/Connections manual XDP-210EQ, XDP-4000X.*
- *For details about the connection, refer to the Installation/Connections manual XDP-210EQ, XDP-4000X. (not supplied)*

Si conecta un preamplificador ecualizador digital (XDP-210EQ, XDP-4000X)

- *Utilice un amplificador opcional externo. El amplificador incorporado de esta unidad no puede utilizarse en este caso. Para más información, consulte el manual de instalación/conexiones de la unidad XDP-210EQ, XDP-4000X.*
- *Para obtener información detallada sobre la conexión, consulte el manual de instalación/conexiones de la unidad XDP-210EQ, XDP-4000X. (no suministrada)*

När du ansluter en digital förförstärkare med equaliser (XDP-210EQ, XDP-4000X)

- *Använd en valfri extern förstärkare. Den inbyggda förstärkaren kan inte användas i detta fall. Mer information finns i Montering/Anslutninghandboken XDP-210EQ, XDP-4000X.*
- *Mer information om hur du ansluter utrustning finns i Montering/Anslutninghandboken XDP-210EQ, XDP-4000X. (medföljer inte)*

Se ligar um pré-amplificador equalizador digital (XDP-210EQ, XDP-4000X)

- *Utilize um amplificador exterior opcional. O amplificador integrado neste aparelho não pode ser utilizado neste caso. Para obter mais informações, consulte o manual de Instalação/Ligações XDP-210EQ, XDP-4000X.*
- *Para obter mais informações sobre a ligação, consulte o manual de Instalação/ Ligações do XDP-210EQ, XDP-4000X. (não fornecido)*

При подключении предварительного усилителя с цифровым эквалайзером (XDP-210EQ, XDP-4000X)

- *Пользуйтесь дополнительным внешним усилителем (приобретается отдельно). Встроенный усилитель данной магнитолы не может быть использован в данном случае. Более подробно см. Руководство по установке/подсоединению XDP-210EQ, XDP-4000X.*
- *Более подробно о подсоединении см. Руководство по установке/подсоединению XDP-210EQ, XDP-4000X. (не прилагается)*

Note
Be sure to connect the earth cord before connecting the amplifier.

Nota
Asegúrese de conectar primero el cable de puesta a masa antes de realizar la conexión al amplificador.

Observera
Var noga med att först ansluta jorden, innan du ansluter förstärkaren.

Nota
Antes de fazer a ligação ao amplificador tem de ligar primeiro o cabo de ligação à massa.

Примечание
Прежде чем подключать магнитолу к усилителю, обязательно подсоедините провод заземления.

CDX-M750

Connections

Cautions

- This unit is designed for negative ground 12 V DC operation only.
- Be careful not to pinch any wires between the screw and the body of the car, or this unit, or between any moving parts such as the seat railing, etc.
- Connect the **yellow** and **red** power input leads only after all other leads have been connected.
- Be sure to connect the red power input lead to the positive 12 V power terminal which is energized when the ignition key is in the accessory position.
- **Run all ground wires to a common ground surface.**
- Connect the yellow cord to a free car circuit rated higher than the unit's fuse rating. If you connect this unit in series with other stereo components, the car circuit they are connected to must be rated higher than the sum of the individual component's fuse rating. If there are no car circuits rated as high as the unit's fuse rating, connect the unit directly to the battery. If no car circuits are available for connecting this unit, connect the unit to a car circuit rated higher than the unit's fuse rating in such a way that if the unit blows its fuse, no other circuits will be cut off.
- When installing a car without ACC (accessory) position on the ignition key switch, connect the red power input lead to the + 12 V power terminal which is energized at all times with the yellow lead.
- The use of optical instruments with this product will increase eye hazard.

Warning when installing in a car without ACC (accessory) position on the ignition key switch

Be sure to press (OFF) on the unit for two seconds to turn off the clock display after turned off the engine.
When you press (OFF) momentarily, the clock display does not turn off and this causes battery wear.

Reset button

When the installation and connections are over, be sure to press the reset button with a ball-point pen, etc.

Notes on the control and power supply leads
- *The power antenna control lead (blue) supplies +12 V DC when you turn on the tuner.*
- *When your car has built-in FM/AM antenna in the rearside glass, it is necessary to connect the power antenna control lead (blue) or the accessory power input lead (red) to the power terminal of the existing antenna booster. For details, consult your dealer.*
- *A power antenna without relay box cannot be used with this unit.*

Memory hold connection
When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition key is turned off.

Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.*
- *Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Do not connect any active speakers (with built-in amplifiers) to the speaker terminals of the unit. Doing so may damage the active speakers. Therefore, be sure to connect passive speakers to these terminals.*

Connexions

Précautions

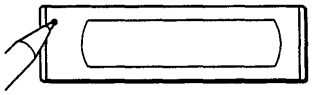
- Cet appareil est conçu pour fonctionner sur tension continue de 12 V avec masse négative.
- Veillez à ne coincer aucun fil entre la vis et la carrosserie ou cet appareil ou aucun élément mobile comme les glissières du siège, etc.
- Brancher les fils d'entrée d'alimentation **jaune** et **rouge** seulement après avoir terminé tous les autres branchements.
- Veiller à ne pas raccorder le fil rouge d'entrée d'alimentation à la borne positive de 12 V qui est alimentée quand la clé de contact est sur la position accessoires.
- **Rassembler tous les fils de terre en un point de masse commun.**
- Brancher le câble jaune à un circuit libre de la voiture dont la capacité nominale est supérieure à la capacité du fusible de l'appareil. Si vous branchez cet appareil en série avec d'autres composants stéréo, le circuit de la voiture auxquels ils sont raccordés doit afficher une capacité nominale supérieure à la somme des capacités individuelles de chaque composant. S'il n'y a pas de circuits de voiture affichant une capacité égale à la capacité du fusible de l'appareil, brancher l'appareil directement à la batterie. Si aucun circuit de voiture n'est disponible pour connecter cet appareil, brancher l'appareil à un circuit de voiture supérieur à la capacité du fusible de l'appareil de telle sorte que si l'appareil grille son fusible, aucun autre circuit ne soit coupé.
- En cas d'installation dans une voiture dont le contact ne comporte pas de position ACC (accessoires), brancher le fil d'entreé d'alimentation rouge à la borne + 12 V qui est alimenteé en permanence par le fil jaune.

Avertissement en cas d'installation dans une voiture dont le contact ne comporte pas de position ACC (accessoires)

N'oubliez pas d'appuyer sur le bouton (OFF) de l'appareil pendant deux secondes après avoir coupé le moteur de façon à désactiver l'affichage de l'horloge.
Si vous appuyez brièvement sur (OFF), l'affichage de l'horloge n'est pas désactivé, ce qui provoque une usure de la batterie.

Touche de réinitialisation

Quand l'installation et les connexions sont terminées, appuyer sur la touche de réinitialisation avec un stylo bille ou un objet pointu.



Remarques sur les câbles de commande et d'alimentation
- *Le fil de commande d'antenne (bleu) assure une alimentation de +12 V CC lorsque vous mettez le syntoniseur sous tension.*
- *Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, il est nécessaire de raccorder le fil de commande de l'antenne électrique (bleu) ou le fil d'entrée d'alimentation des accessoires (rouge) de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre revendeur.*
- *Une antenne électrique sans boîtier de relais ne peut être utilisée avec cet appareil.*

Connexion pour la conservation de la mémoire
Lorsque le fil d'entrée d'alimentation jaune est connecté, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.

Remarques sur la connexion des haut-parleurs
- *Avant de raccorder les haut-parleurs, mettre l'appareil hors tension.*
- *Utiliser des haut-parleurs ayant une impédance de 4 à 8 ohms et une capacité adéquate sous peine de les endommager.*
- *Ne pas raccorder les bornes du système de haut-parleurs au châssis de la voiture et ne pas connecter les bornes du haut-parleur droit à celles du haut-parleur gauche.*
- *Ne pas tenter de raccorder les haut-parleurs en parallèle.*
- *Ne pas raccorder des haut-parleurs actifs (avec amplificateurs intégrés) aux bornes de haut-parleur de l'appareil sous peine de les endommager. Veiller à raccorder des haut-parleurs passifs à ces bornes.*

Conexiones

Precauciones

- Esta unidad ha sido diseñada para alimentarse con 12 V CC, negativo a masa, solamente.
- Tenga cuidado de no atrapar ningún cable entre algún tornillo y la carrocería del automóvil o esta unidad o entre las partes móviles, como por ejemplo los raíles del asiento, etc.
- Conecte los cables conectores de alimentación **amarillo** y **rojo** solamente después de haber conectado los demás.
- Cerciórese de conectar el cable conector de alimentación rojo a un terminal de 12 V positivo que se active al poner la llave de encendido en la posición para accesorios.
- **Conecte todos los conductores de puesta a masa a un punto común.**
- Conecte el cable amarillo a un circuito libre del automóvil que tenga una capacidad superior a la del fusible de la unidad. Si conecta esta unidad en serie con otros componentes estereofónicos, el circuito del automóvil al que se encuentran conectados debe tener una capacidad superior a la suma de las capacidades de los fusibles de cada componente. Si ningún cicuito del automóvil tiene una capacidad tan alta como la del fusible de la unidad, conecte ésta directamente a la batería. Si el automóvil no dispone de ningún circuito para conectar esta unidad, conéctela a un circuito del automóvil con capacidad superior a la del fusible de la unidad, de forma que si se funde el fusible de ésta, no se interrumpa ningún otro circuito.
- Si realiza la instalación en un automóvil que no disponga de posición ACC (auxiliar) en el interruptor de la llave de encendido, conecte el cable rojo de entrada de alimentación al terminal de alimentación de +12V que recibe energía permanentemente; para ello, utilice el cable amarillo.

Advertencia sobre la instalación en un automóvil que no disponga de posición ACC (accesorios) en el interruptor de la llave de encendido

Asegúrese de presionar (OFF) en la unidad durante dos segundos para desactivar la indicación del reloj una vez apagado el motor.
Si presiona (OFF) momentáneamente, la indicación del reloj no se desactivará y esto causará el desgaste de la batería.

Botón de restauración

Cuando finalice la instalación y las conexiones, cerciórese de presionar el botón de restauración con un bolígrafo, etc.

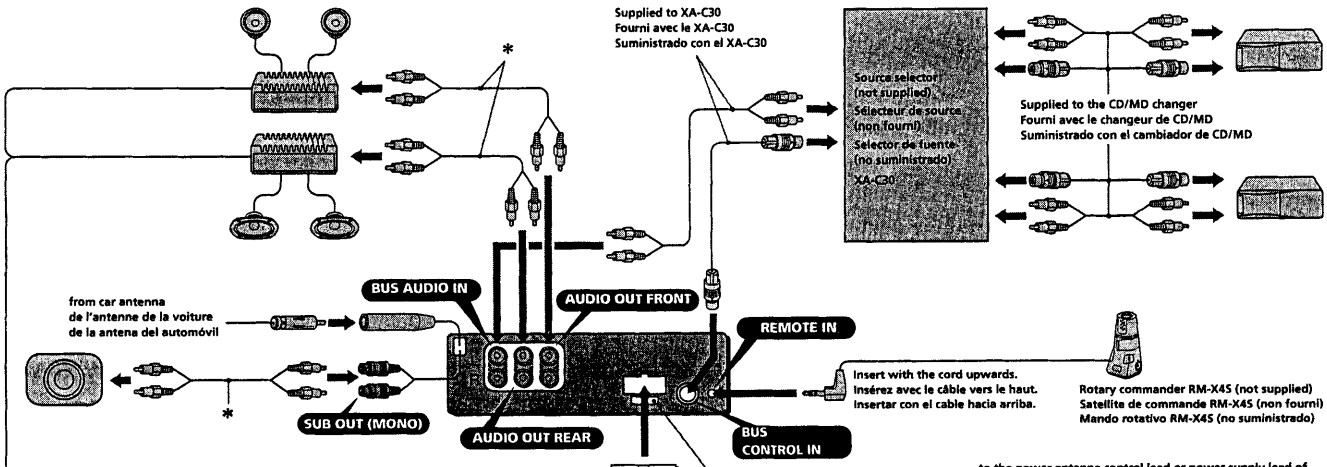
Notas sobre los cables de control y de fuente de alimentación
- *El conductor de control de la antena motorizada (azul) suministrará + 12 V CC cuando conecte la alimentación de la unidad.*
- *Si se ha instalado una antena de recepción de FM/AM en el cristal trasero lateral del automóvil, es necesario conectar el cable de control de la antena motorizada (azul) o el cable auxiliar de entrada de alimentación (rojo) al terminal de alimentación del amplificador de antena existente. Para obtener información detallada, consulte a su proveedor.*
- *Con esta unidad no podrá emplearse una antena motorizada desprovista de caja de relé.*

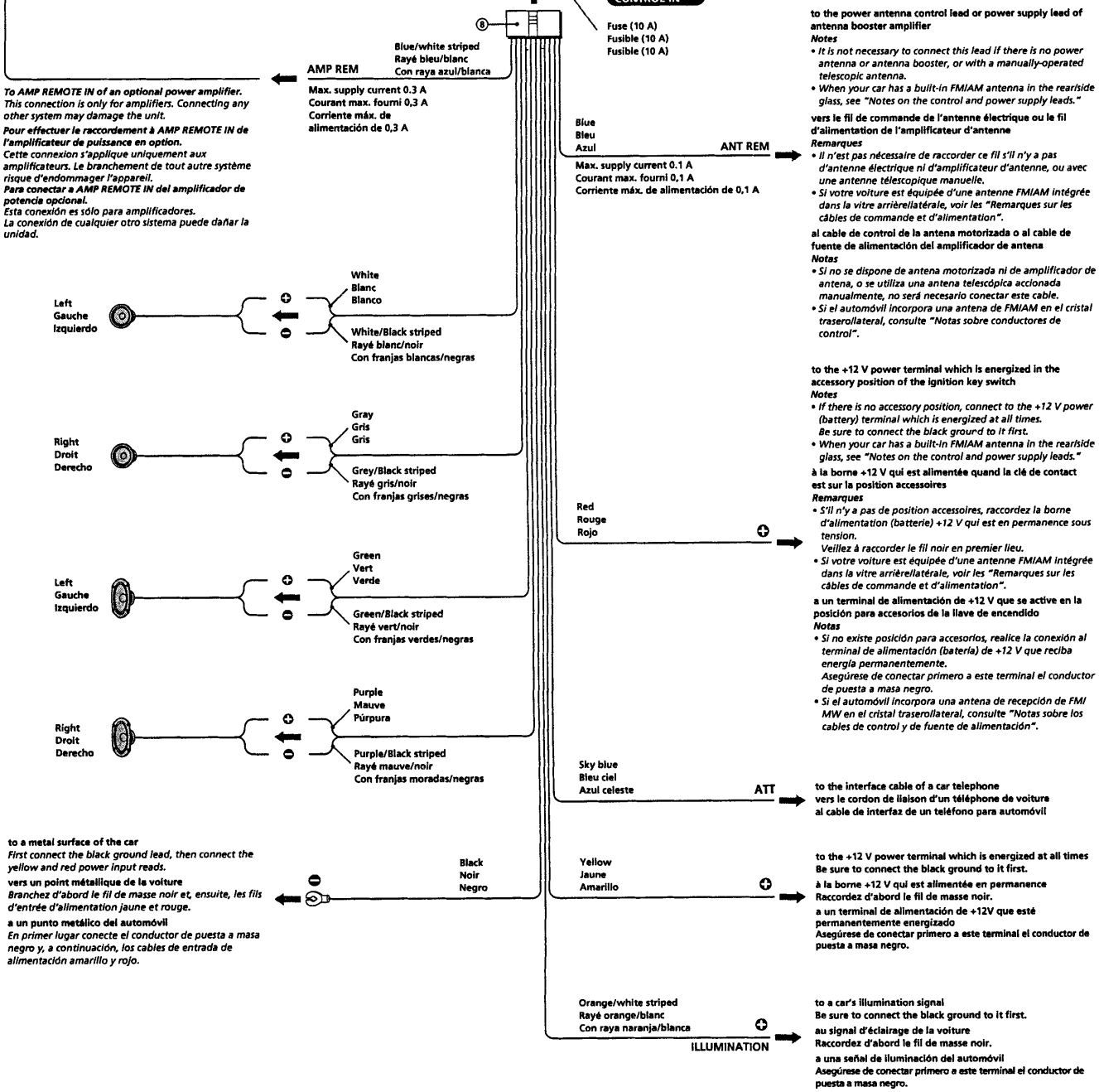
Conexión para protección de la memoria
Si conecta el cable de entrada de alimentación amarillo, el circuito de la memoria siempre recibirá alimentación, aunque ponga la llave de encendido en la posición de apagado.

Notas sobre la conexión de los altavoces
- *Antes de conectar los altavoces, desconecte la alimentación de la unidad.*
- *Utilice altavoces con una impedancia de 4 a 8 Ohmios, y con la potencia máxima admisible adecuada, ya que de lo contrario podría dañarlos.*
- *No conecte los terminales del sistema de altavoces al chasis del automóvil, ni los del altavoz izquierdo a los del derecho.*
- *No intente conectar los altavoces en paralelo.*
- *No conecte altavoces activos (con amplificadores incorporados) a los terminales de altavoces de la unidad. Si lo hiciese, podría dañar tales altavoces. Por lo tanto, cerciórese de conectar altavoces pasivos a estos terminales.*

Connection example
Exemple de connection
Ejemplo de conexiones

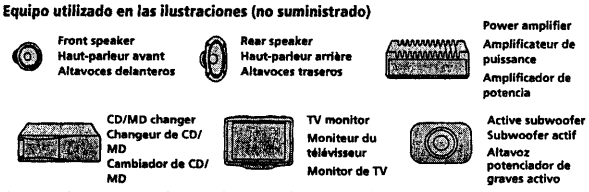
* RCA pin cord (not supplied)
Cordon à broche RCA (non fourni)
Cable con pines RCA (no suministrado)


Supplied to XA-C30
Fourni avec le XA-C30
Suministrado con el XA-C30
Source selector (not supplied)
Sélecteur de source (non fourni)
Selector de fuente (no suministrado)
XA-C30
Supplied to the CD/MD changer
Fourni avec le changeur de CD/MD
Suministrado con el cambiador de CD/MD
from car antenna
de l'antenne de la voiture
de la antena del automóvil
BUS AUDIO IN
AUDIO OUT FRONT
REMOTE IN
SUB OUT (MONO)
AUDIO OUT REAR
BUS CONTROL IN
Insert with the cord upwards.
Insérez avec le câble vers le haut.
Insertar con el cable hacia arriba.
Rotary commander RM-X4S (not supplied)
Satellite de commande RM-X4S (non fourni)
Mando rotativo RM-X4S (no suministrado)

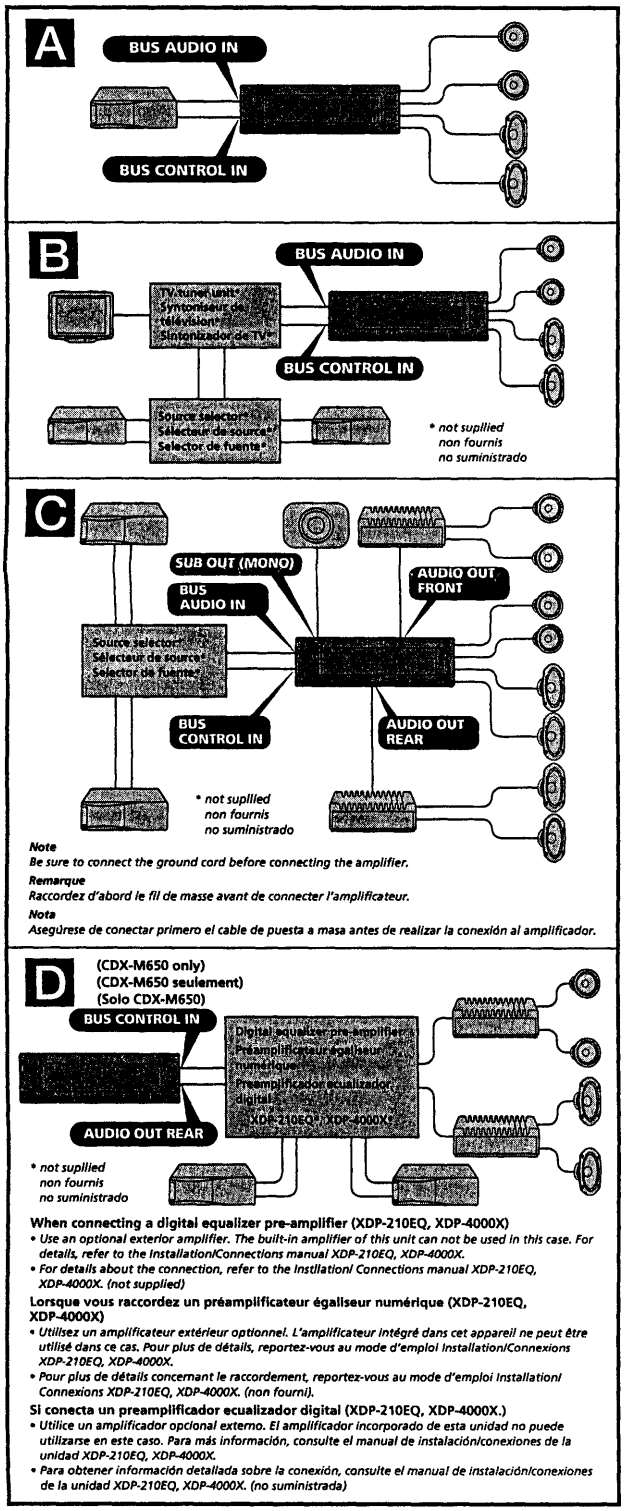

Fuse (10 A)
Fusible (10 A)
Fusible (10 A)
Blue/white striped
Rayé bleu/blanc
Con raya azul/blanca
AMP REM
Max. supply current 0.3 A
Courant max. fourni 0,3 A
Corriente máx. de alimentación de 0,3 A
To AMP REMOTE IN of an optional power amplifier.
This connection is only for amplifiers. Connecting any other system may damage the unit.
Pour effectuer le raccordement à AMP REMOTE IN de l'amplificateur de puissance en option.
Cette connexion s'applique uniquement aux amplificateurs. Le branchement de tout autre système risque d'endommager l'appareil.
Para conectar a AMP REMOTE IN del amplificador de potencia opcional.
Esta conexión es sólo para amplificadores.
La conexión de cualquier otro sistema puede dañar la unidad.
Blue
Bleu
Azul
ANT REM
Max. supply current 0.1 A
Courant max. fourni 0,1 A
Corriente máx. de alimentación de 0,1 A
to the power antenna control lead or power supply lead of antenna booster amplifier
Notes
• It is not necessary to connect this lead if there is no power antenna or antenna booster, or with a manually-operated telescopic antenna.
• When your car has a built-in FM/AM antenna in the rearside glass, see "Notes on the control and power supply leads."
vers le fil de commande de l'antenne électrique ou le fil d'alimentation de l'amplificateur d'antenne
Remarques
• Il n'est pas nécessaire de raccorder ce fil s'il n'y a pas d'antenne électrique ni d'amplificateur d'antenne, ou avec une antenne télescopique manuelle.
• Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir les "Remarques sur les câbles de commande et d'alimentation".
al cable de control de la antena motorizada o al cable de fuente de alimentación del amplificador de antena
Notas
• Si no se dispone de antena motorizada ni de amplificador de antena, o se utiliza una antena telescópica accionada manualmente, no será necesario conectar este cable.
• Si el automóvil incorpora una antena de FM/AM en el cristal trasero/lateral, consulte "Notas sobre conductores de control".
Left
Gauche
Izquierdo
White
Blanc
Blanco
White/Black striped
Rayé blanc/noir
Con franjas blancas/negras
Right
Droit
Derecho
Gray
Gris
Gris
Grey/Black striped
Rayé gris/noir
Con franjas grises/negras
Left
Gauche
Izquierdo
Green
Vert
Verde
Green/Black striped
Rayé vert/noir
Con franjas verdes/negras
Right
Droit
Derecho
Purple
Mauve
Púrpura
Purple/Black striped
Rayé mauve/noir
Con franjas moradas/negras
Red
Rouge
Rojo
to the +12 V power terminal which is energized in the accessory position of the ignition key switch
Notes
• If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times. Be sure to connect the black ground to it first.
• When your car has a built-in FM/AM antenna in the rearside glass, see "Notes on the control and power supply leads."
à la borne +12 V qui est alimentée quand la clé de contact est sur la position accessoires
Remarques
• S'il n'y a pas de position accessoires, raccordez la borne d'alimentation (batterie) +12 V qui est en permanence sous tension. Veillez à raccorder le fil noir en premier lieu.
• Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir les "Remarques sur les câbles de commande et d'alimentation".
a un terminal de alimentación de +12 V que se active en la posición para accesorios de la llave de encendido
Notas
• Si no existe posición para accesorios, realice la conexión al terminal de alimentación (batería) de +12 V que reciba energía permanentemente. Asegúrese de conectar primero a este terminal el conductor de puesta a masa negro.
• Si el automóvil incorpora una antena de recepción de FM/MW en el cristal trasero/lateral, consulte "Notas sobre los cables de control y de fuente de alimentación".
Sky blue
Bleu ciel
Azul celeste
ATT
to the interface cable of a car telephone
vers le cordon de liaison d'un téléphone de voiture
al cable de interfaz de un teléfono para automóvil
to a metal surface of the car
First connect the black ground lead, then connect the yellow and red power input leads.
vers un point métallique de la voiture
Branchez d'abord le fil de masse noir et, ensuite, les fils d'entrée d'alimentation jaune et rouge.
a un punto metálico del automóvil
En primer lugar conecte el conductor de puesta a masa negro y, a continuación, los cables de entrada de alimentación amarillo y rojo.
Black
Noir
Negro
Yellow
Jaune
Amarillo
to the +12 V power terminal which is energized at all times
Be sure to connect the black ground to it first.
à la borne +12 V qui est alimentée en permanence
Raccordez d'abord le fil de masse noir.
a un terminal de alimentación de +12V que esté permanentemente energizado
Asegúrese de conectar primero a este terminal el conductor de puesta a masa negro.
Orange/white striped
Rayé orange/blanc
Con raya naranja/blanca
ILLUMINATION
to a car's illumination signal
Be sure to connect the black ground to it first.
au signal d'éclairage de la voiture
Raccordez d'abord le fil de masse noir.
a una señal de iluminación del automóvil
Asegúrese de conectar primero a este terminal el conductor de puesta a masa negro.

Connection diagram
Schéma de connexion
Diagrama de conexiones

Equipment used in illustrations (not supplied)
Appareils utilisés dans les illustrations (non fournis)
Equipo utilizado en las ilustraciones (no suministrado)



For connecting two or more changers, the source selector XA-C30 (optional) is necessary.
Dans le cas du raccordement de deux changeurs ou plus, le sélecteur de source XA-C30 (option) est indispensable.
Si desea conectar dos o más cambiadores, necesitará el selector de fuente XA-C30 (opcional).



Note
Be sure to connect the ground cord before connecting the amplifier.
Remarque
Raccordez d'abord le fil de masse avant de connecter l'amplificateur.
Nota
Asegúrese de conectar primero el cable de puesta a masa antes de realizar la conexión al amplificador.

When connecting a digital equalizer pre-amplifier (XDP-210EQ, XDP-4000X)
- *Use an optional exterior amplifier. The built-in amplifier of this unit can not be used in this case. For details, refer to the Installation/Connections manual XDP-210EQ, XDP-4000X.*
- *For details about the connection, refer to the Instllation/ Connections manual XDP-210EQ, XDP-4000X. (not supplied)*

Lorsque vous raccordez un préamplificateur égaliseur numérique (XDP-210EQ, XDP-4000X)
- *Utilisez un amplificateur extérieur optionnel. L'amplificateur intégré dans cet appareil ne peut être utilisé dans ce cas. Pour plus de détails, reportez-vous au mode d'emploi Installation/Connexions XDP-210EQ, XDP-4000X.*
- *Pour plus de détails concernant le raccordement, reportez-vous au mode d'emploi Installation/ Connexions XDP-210EQ, XDP-4000X. (non fourni).*

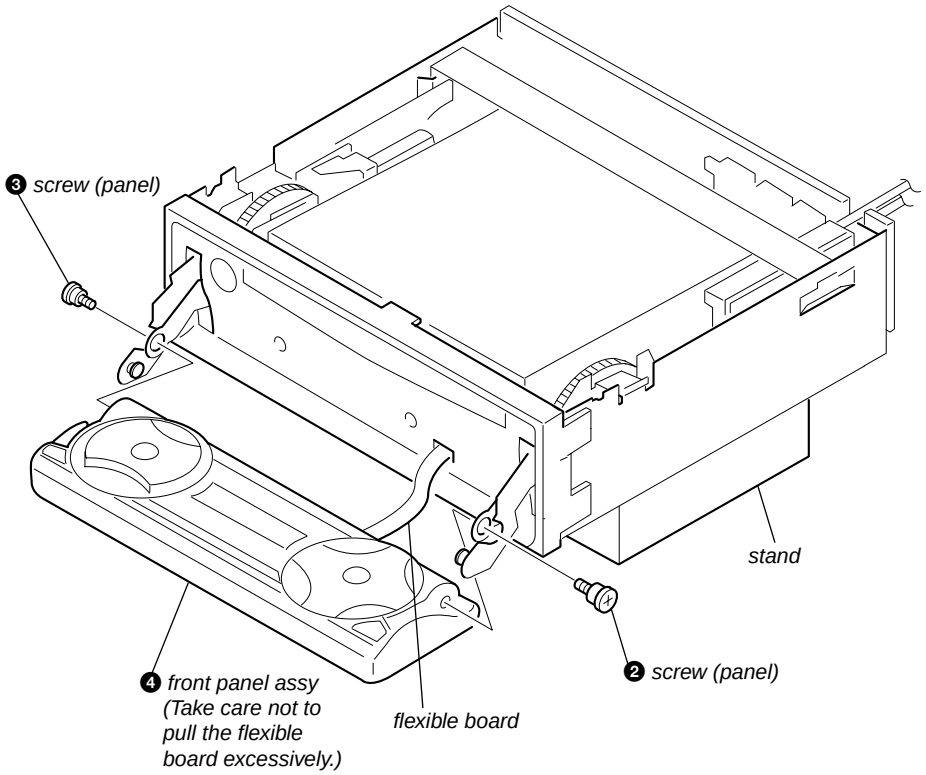
Si conecta un preamplificador ecualizador digital (XDP-210EQ, XDP-4000X.)
- *Utilice un amplificador opcional externo. El amplificador incorporado de esta unidad no puede utilizarse en este caso. Para más información, consulte el manual de instalación/conexiones de la unidad XDP-210EQ, XDP-4000X.*
- *Para obtener información detallada sobre la conexión, consulte el manual de instalación/conexiones de la unidad XDP-210EQ, XDP-4000X. (no suministrada)*

SECTION 2
DISASSEMBLY

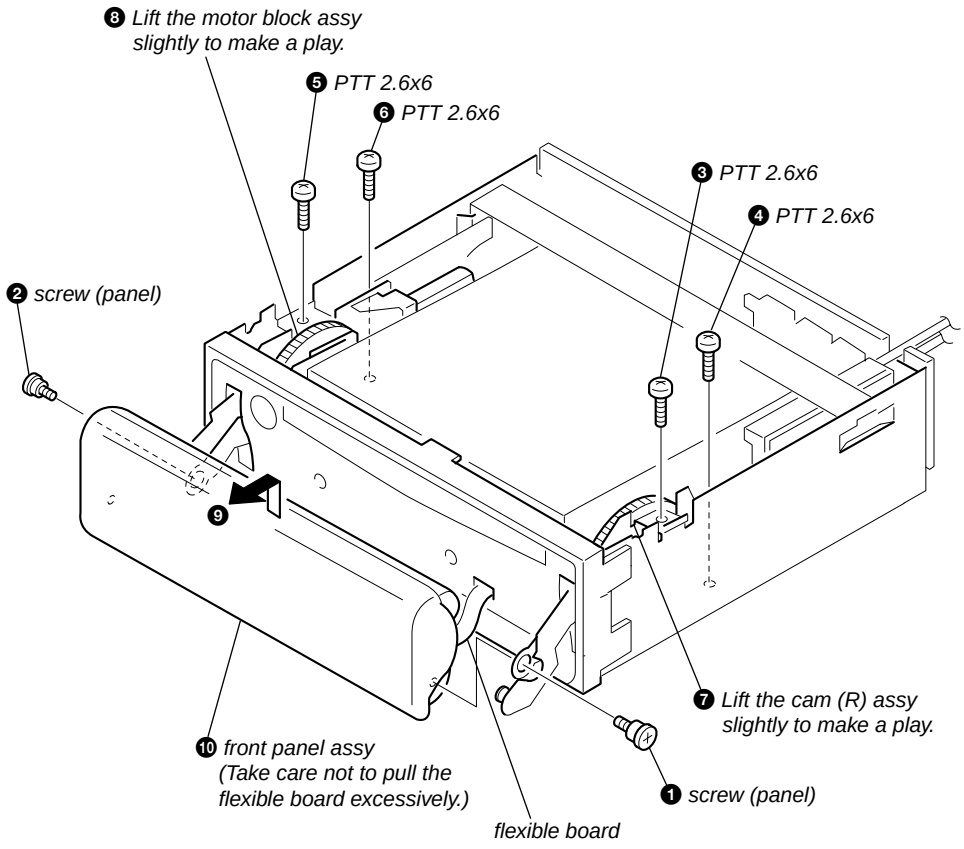
Note : Follow the disassembly procedure in the numerical order given.

2-1. FRONT PANEL ASSY (NORMAL)

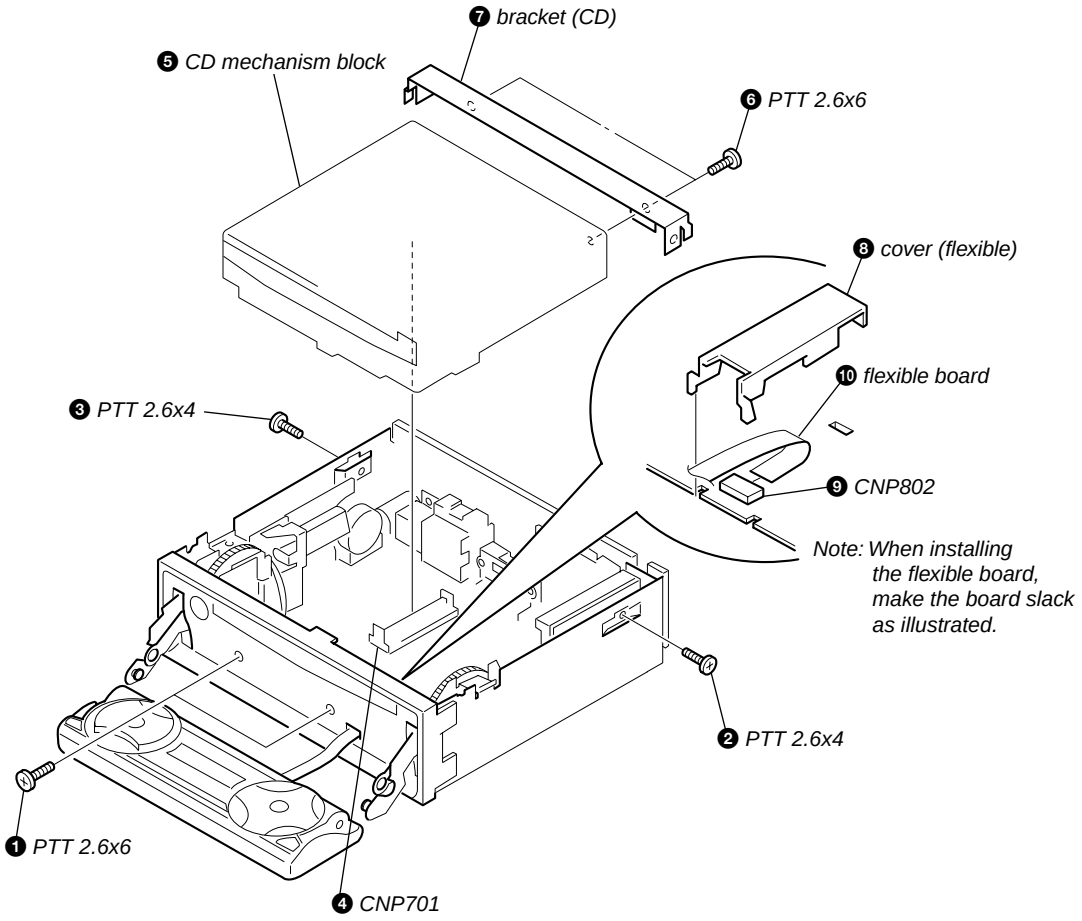
❶ Turn on the power and open the front panel.



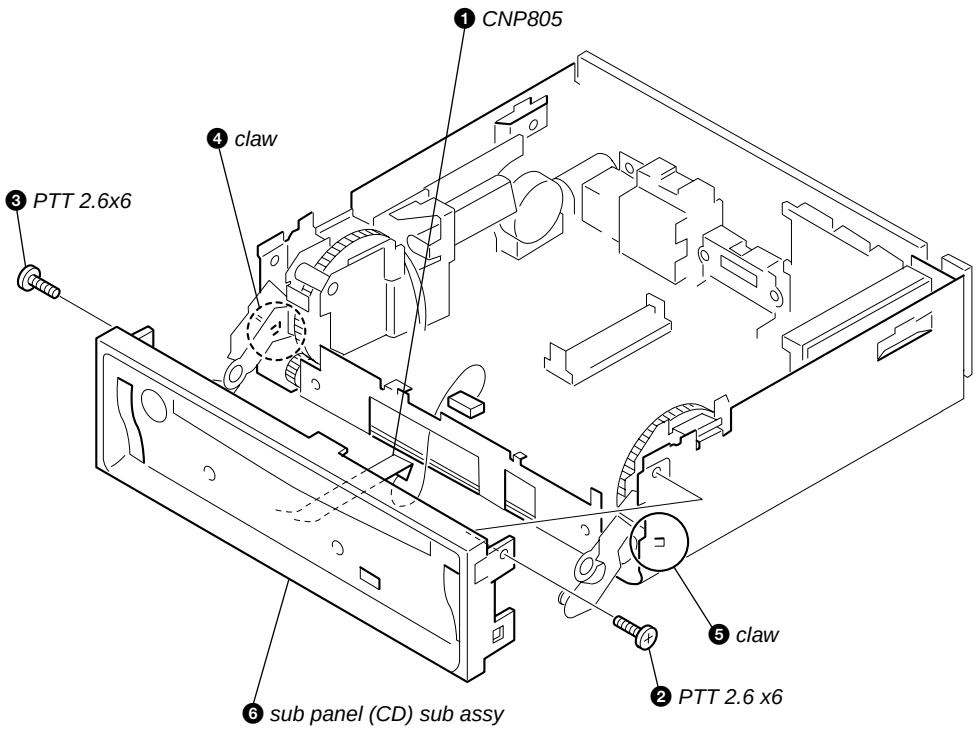
2-2. FRONT PANEL ASSY (INOPERATIVE)



2-3. CD MECHANISM BLOCK, FLEXIBLE BOARD

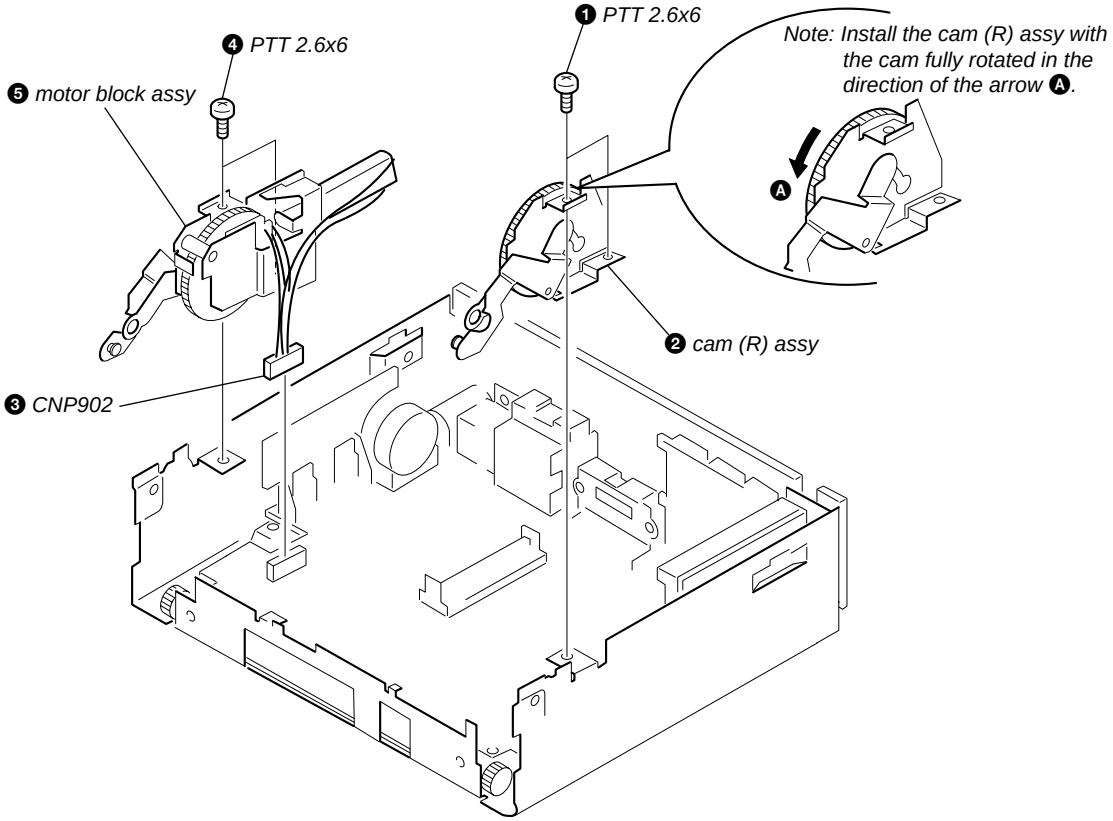


2-4. SUB PANEL (CD) SUB ASSY

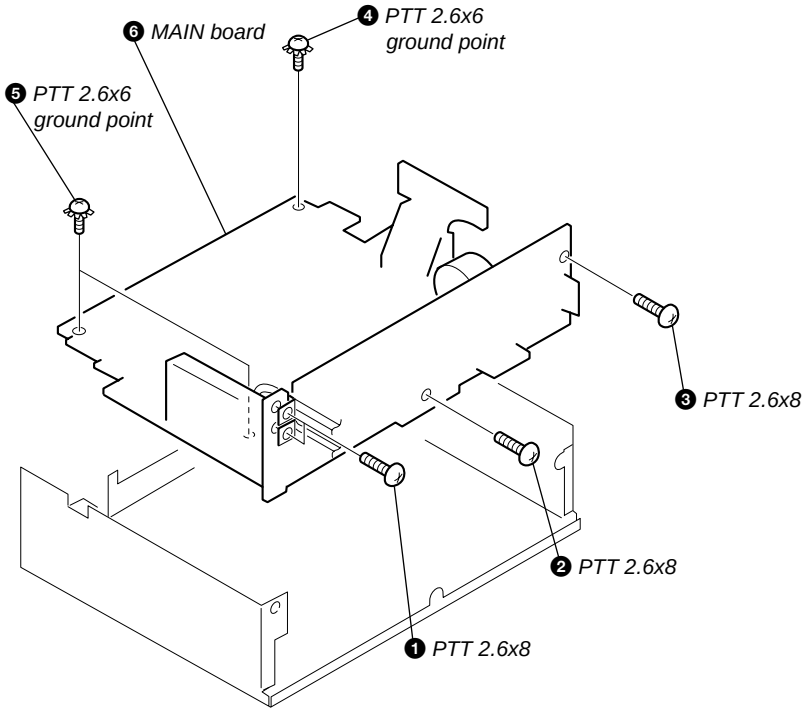


2-5. MOTOR BLOCK ASSY, CAM (R) ASSY

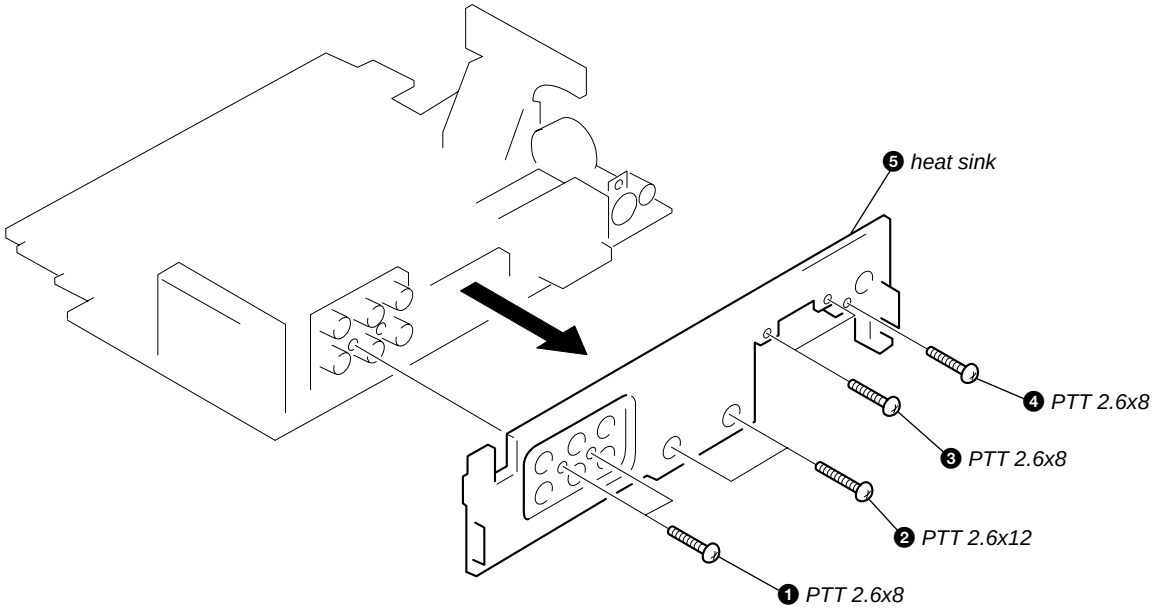
Note : Install the motor block assy and cam (R) assy in this roder.
For phase alignment between cams (L) and (R), see page 29 and 31.


❶ PTT 2.6x6
❹ PTT 2.6x6
❺ motor block assy
Note: Install the cam (R) assy with the cam fully rotated in the direction of the arrow Ⓐ.
Ⓐ
❷ cam (R) assy
❸ CNP902

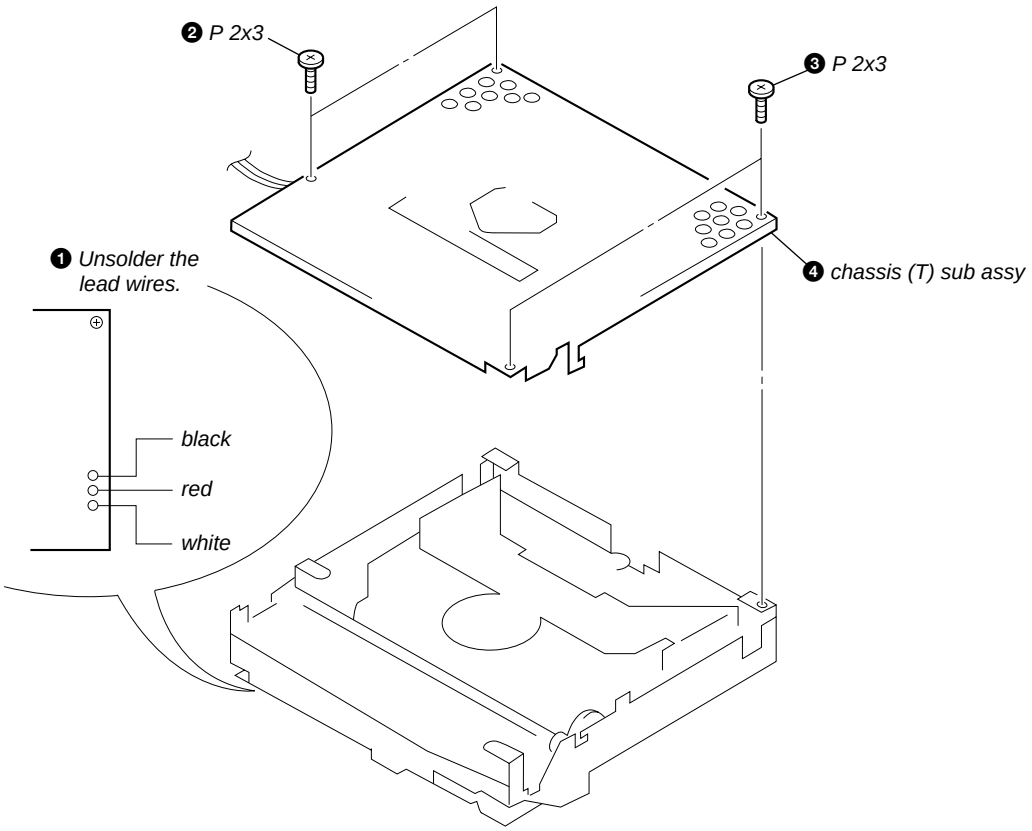
2-6. MAIN BOARD



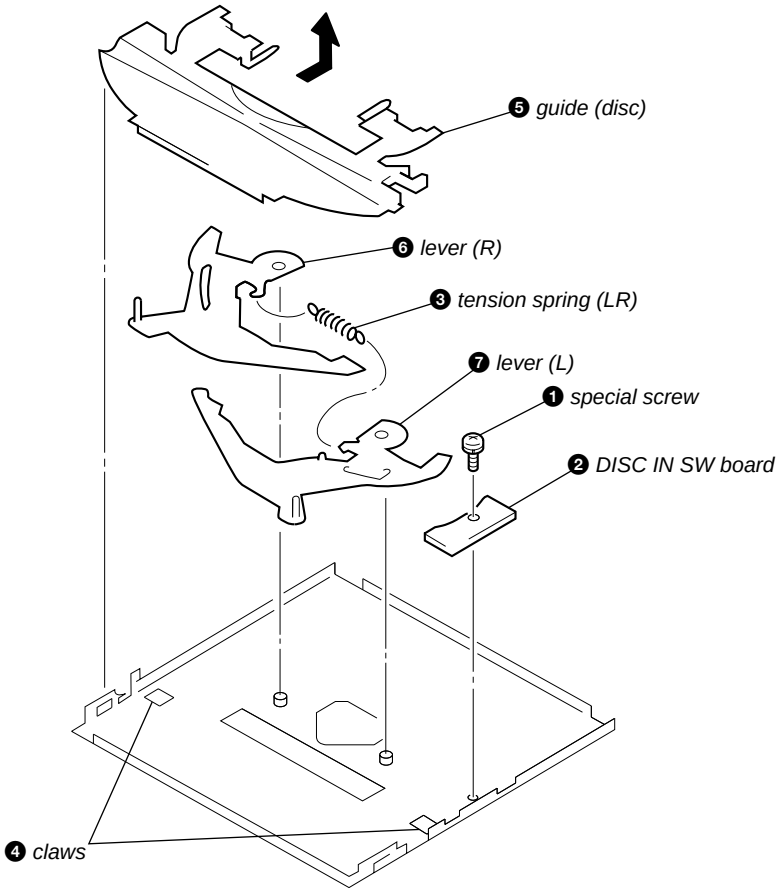
2-7. HEAT SINK



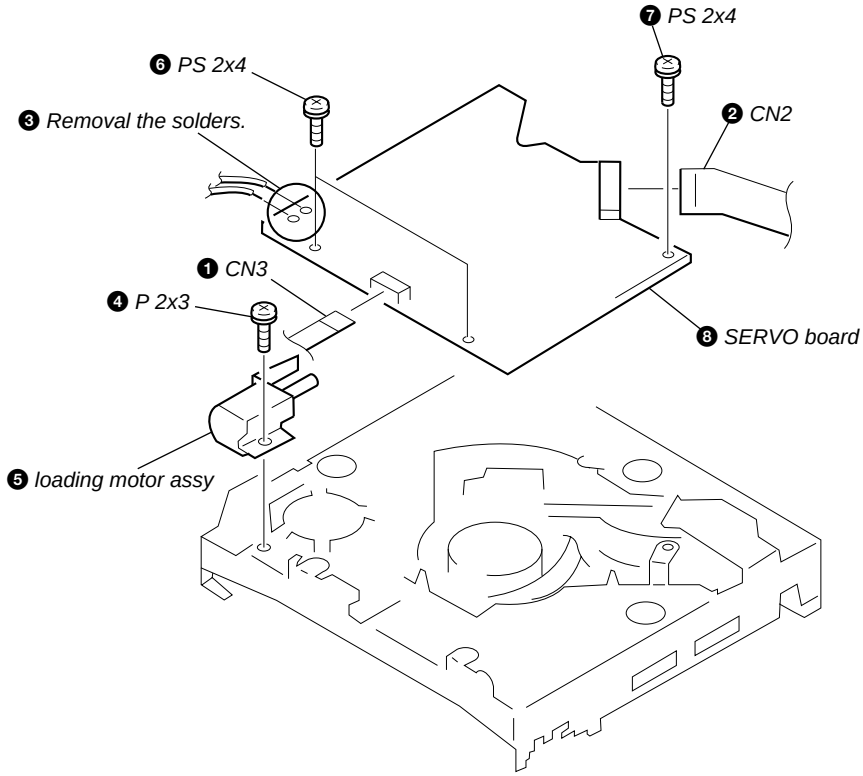
2-8. CHASSIS (T) SUB ASSY



2-9. LEVER SECTION



2-10. SERVO BOARD



2-11. SHAFT ROLLER ASSY

• When installing, take note of the positions arm (roller) and washers. (Fig. 1)

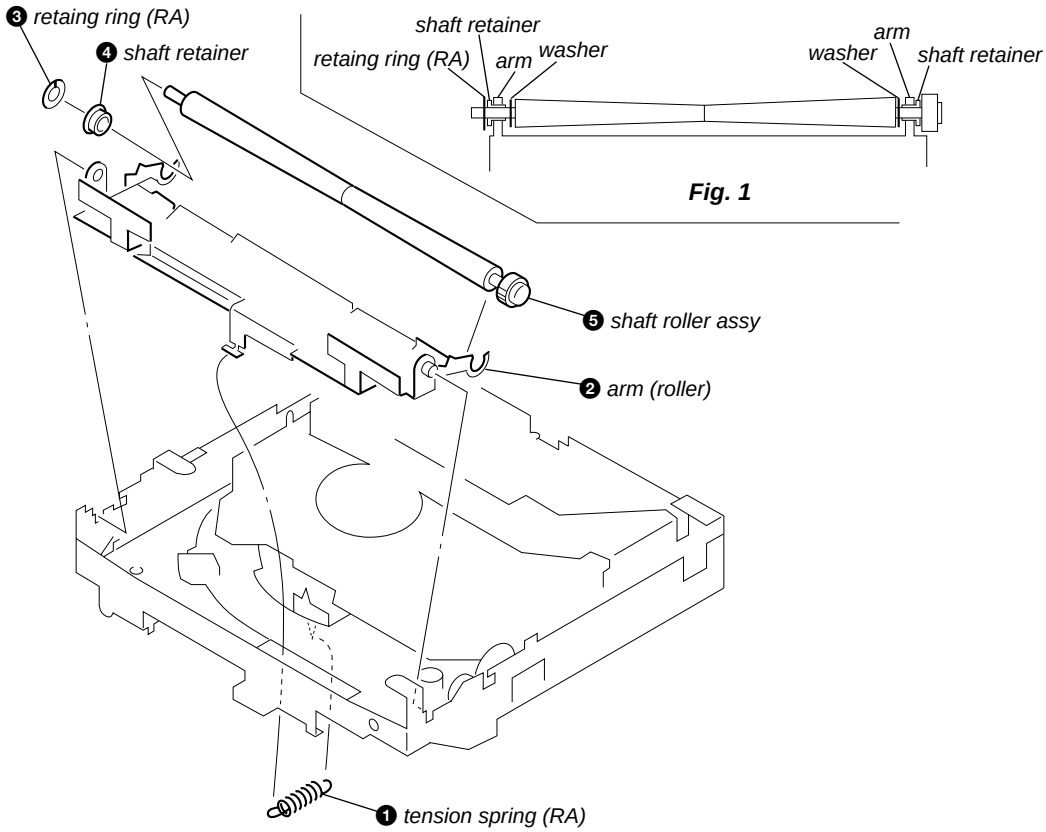
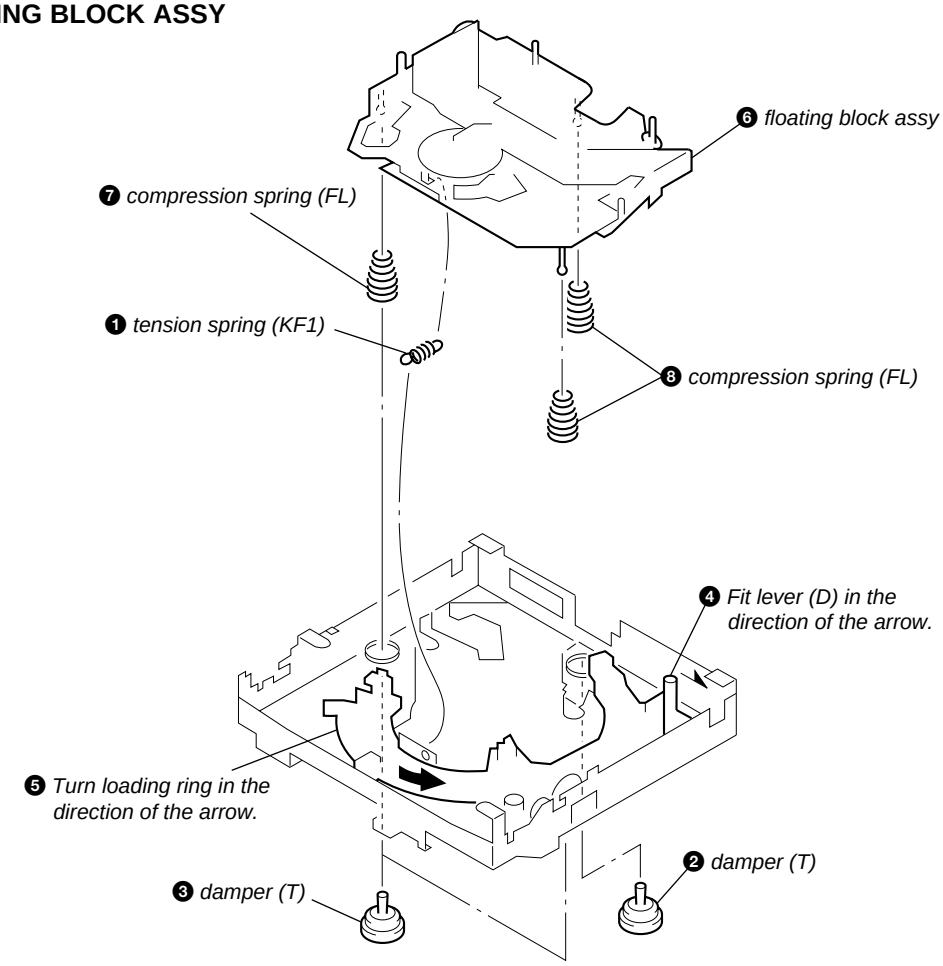
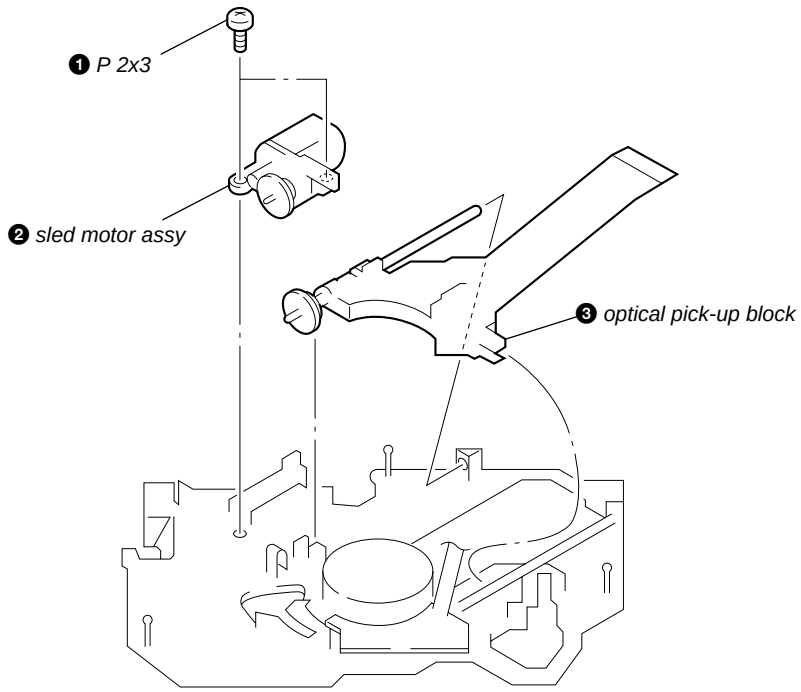


Fig. 1

2-12. FLOATING BLOCK ASSY

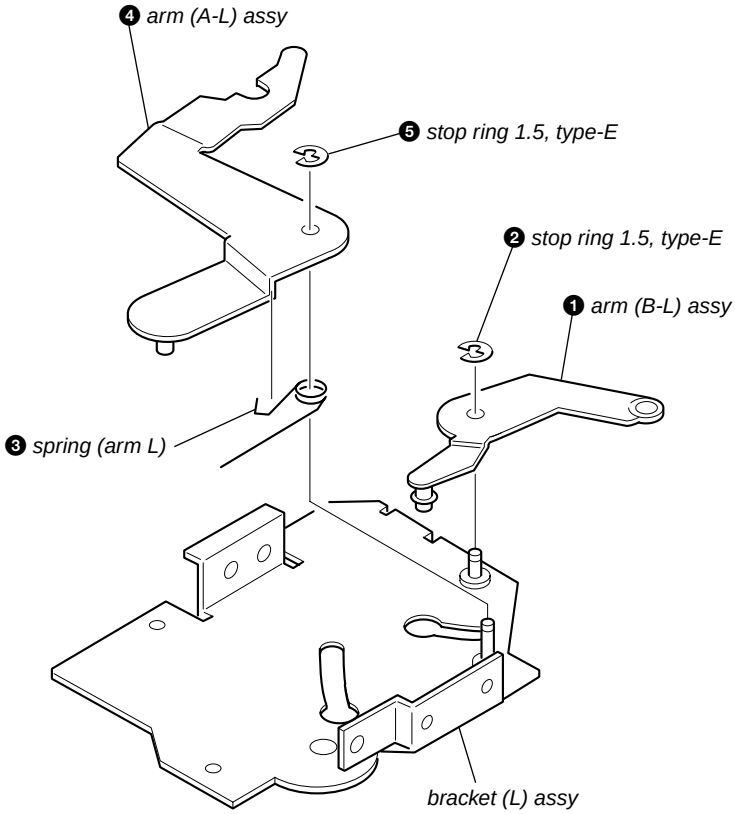

❻ floating block assy
❼ compression spring (FL)
❶ tension spring (KF1)
❽ compression spring (FL)
❹ Fit lever (D) in the direction of the arrow.
❺ Turn loading ring in the direction of the arrow.
❷ damper (T)
❸ damper (T)

2-13. OPTICAL PICK-UP BLOCK



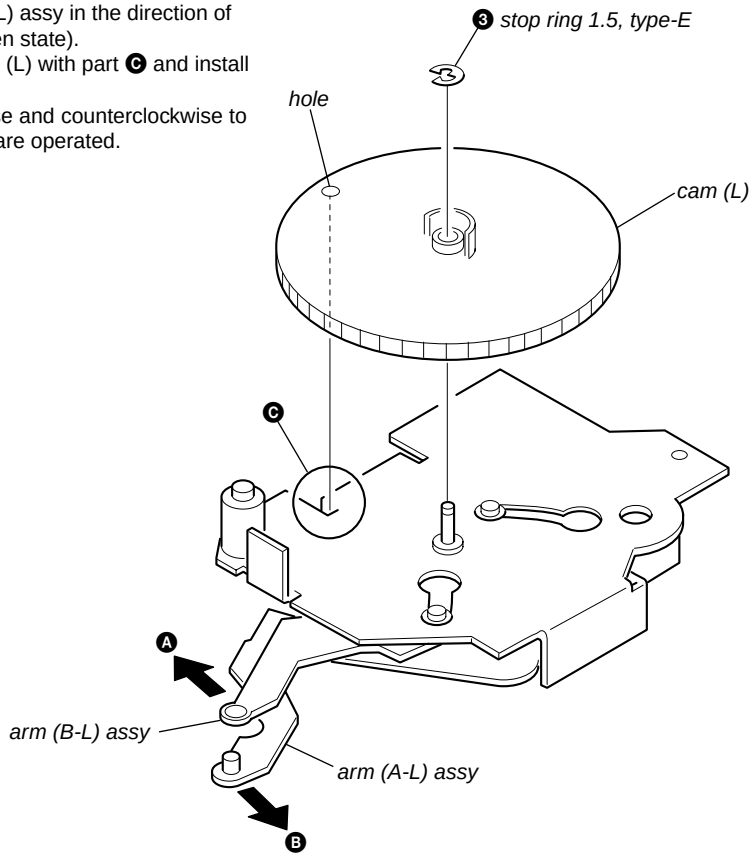
SECTION 3
PHASE ALIGNMENT

3-1. ARM (A-L) ASSY, ARM (B-L) ASSY



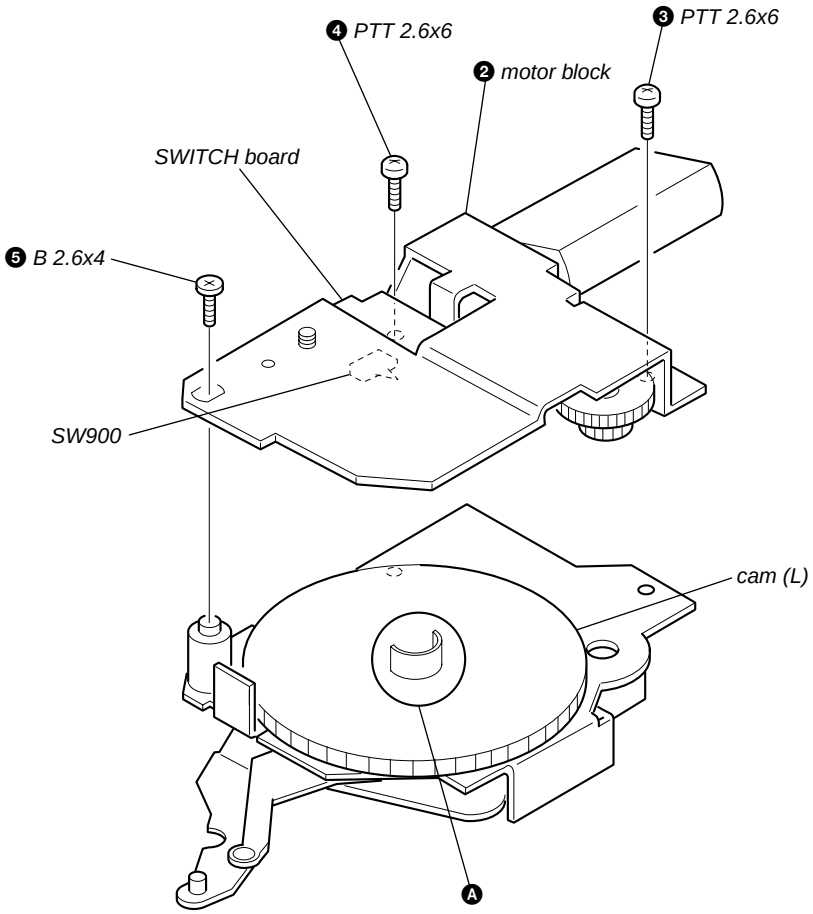
3-2. CAM (L)

❶ Move the arm (B-L) assy in the direction of the arrow Ⓐ and the arm (A-L) assy in the direction of the arrow Ⓑ fully (full open state).
❷ Align the hole on the cam (L) with part Ⓒ and install the cam.
❹ Turn the cam (L) clockwise and counterclockwise to verify that both the arms are operated.



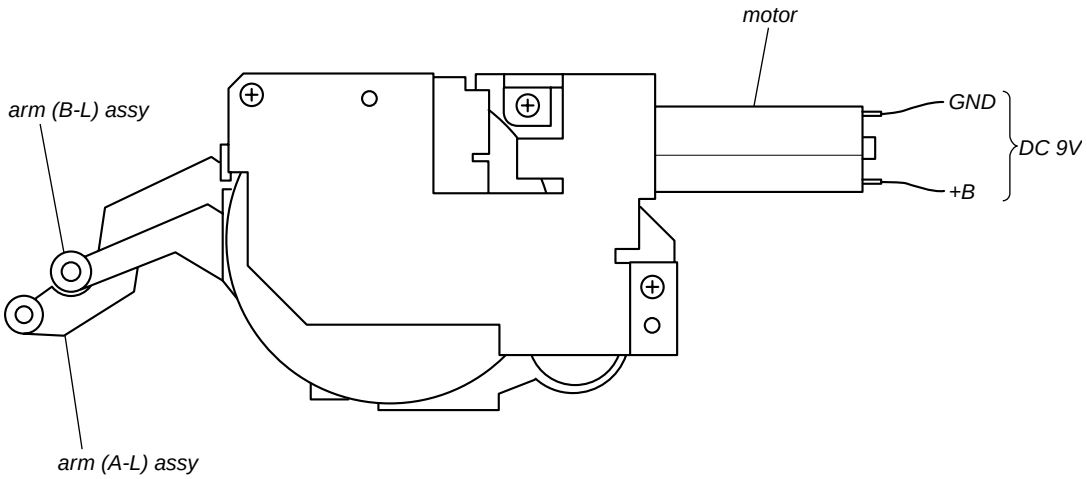
3-3. MOTOR BLOCK

❶ Turn the cam (L) and position the cam so that part Ⓐ does not touch the SWITCH board SW900.

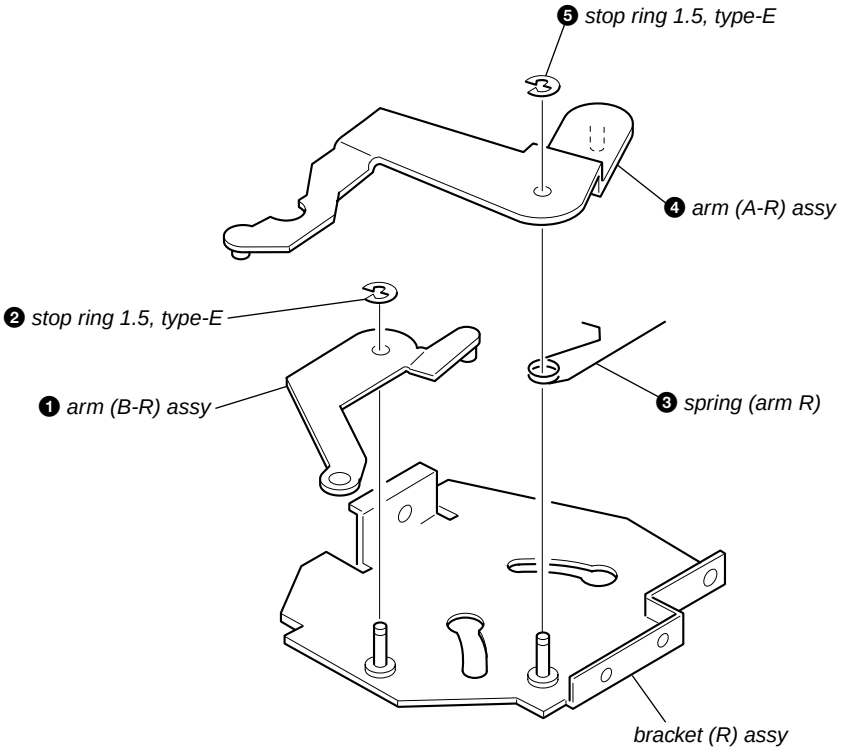


3-4. ALIGNMENT BETWEEN ARM (A-L) ASSY AND ARM (B-L) ASSY

❶ Input 9V DC to the motor terminal until the cam (L) stops rotating.
Take care to avoid overload of the motor.
❷ Verify that the arm (A-L) assy and arm (B-L) assy are positioned as shown below (full open).

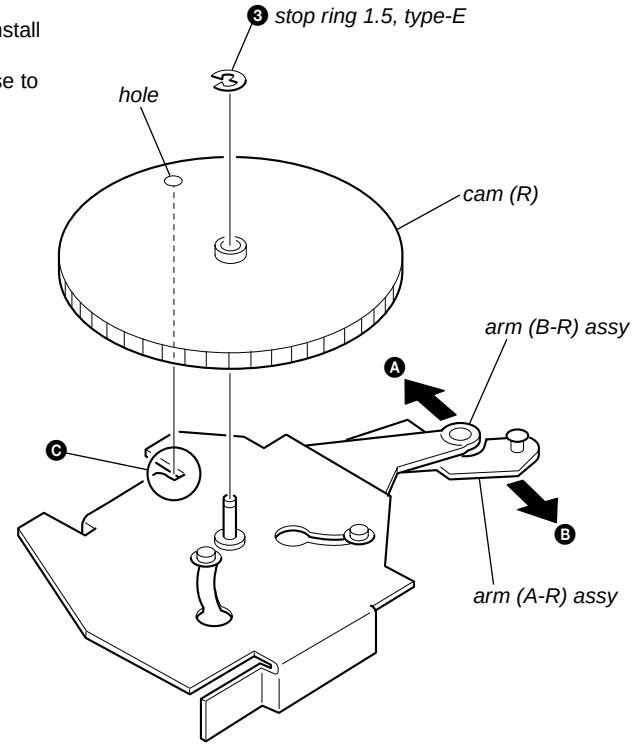


3-5. ARM (A-R) ASSY, ARM (B-R) ASSY



3-6. CAM (R)

❶ Move the arm (B-R) assy in the direction of the arrow Ⓐ and the arm (A-R) assy in the direction of the arrow Ⓑ fully (full open state).
❷ Align the hole on the cam (R) with part Ⓒ and install the cam.
❹ Turn the cam (R) clockwise and counterclockwise to verify that both the arms are operated.



SECTION 4
DIAGRAMS

4-1. IC PIN DESCRIPTIONS

• IC501 CXD2598Q (DIGITAL SERVO, DIGITAL SIGNAL PROCESSOR) (SERVO BOARD)

Pin No.	Pin Name	I/O	Pin Description
1	DVDD	—	Digital power supply pin
2	DVSS	—	Digital ground
3	SOUT	O	Servo brock serial data output (Not used.)
4	SOCK	O	Servo brock serial data read clock output (Not used.)
5	XOLT	O	Servo brock serial data latch output (Not used.)
6	SQSO	O	Sub Q 80 bit, PCM peak and level data output. CD TEXT data output
7	SQCK	I	Clock input from SQSO read output.
8	SCSY	I	Fixed at “L”.
9	SBSO	O	Serial output of sub-P to W. (Not used.)
10	EXCK	I	Clock input from SBSO read output. (Fixed at “L”)
11	XRST	I	System reset (“L”: Reset)
12	STSM	I	System mute input (Fixed at “L”)
13	DATA	I	Serial data input from CPU.
14	XLAT	I	Latch input from CPU. Latch serial data at the falling edge.
15	CLOK	I	Serial data transfer clock input from CPU.
16	SENS	O	SENS output for CPU.
17	SCLK	I	Clock input from SENS serial data read.
18	ATSK	I/O	Input/output for anti-shock.
19	WFCK	O	WFCK (Write Flame Clock) output (Not used.)
20	XUGF	O	XUGF output (Not used.)
21	XPCK	O	XPCK output (Not used.)
22	GFS	O	GFS output
23	C2PO	O	C2PO output (Not used.)
24	SCOR	O	“H” output at either detection, sub code sync S0 or S1.
25	C4M	O	4.2336 MHz output (Not used.)
26	WDCK	O	Word clock input f=2Fs (Not used.)
27	COUT	I/O	Track number count signal input/output (Not used.)
28	MIRR	I/O	Mirror signal input/output (Not used.)
29	DVSS	—	Digital ground
30	DVDD	—	Digital power supply pin
31	DFCT	I/O	Diffect signal input/output (Not used.)
32	FOK	I/O	Focus OK signal output
33	PWM1	I	External control input of spindle motor.
34	LOCK	I/O	Lock signal input/output
35	MDP	O	Servo control output of spindle motor.
36	SSTP	I	Disc most inner track detection signal input
37	FSTIO	I/O	2/3 frequency division output of pins ⑧⑥ and ⑧⑦. (Not used.)
38	SFDR	O	Sled drive output
39	SRDR	O	Sled drive output
40	TFDR	O	Tracking drive output
41	TRDR	O	Tracking drive output
42	FFDR	O	Focus drive output
43	FRDR	O	Focus drive output
44	DVDD	—	Digital power supply pin
45	DVSS	—	Digital ground
46	TEST	I	Test pin (Fixed at “L”.)
47	TES1	I	Test pin (Fixed at “L”.)
48	XTSL	I	X’tal select input (“L”: 16.9344 MHz, “H”: 33.8688 MHz)
49	VC	I	Center voltage input
50	FE	I	Focus error signal input
51	SE	I	Sled error signal input

Pin No.	Pin Name	I/O	Pin Description
52	TE	I	Tracking error signal input
53	CE	I	Center servo analog input
54	RFDC	I	RF signal input
55	ADIO	O	Test pin (Not used.)
56	AVSSO	—	Analog ground
57	IGEN	I	Constant current input from OP amplifier.
58	AVDDO	—	Analog ground
59	ASYO	O	EFM full-swing output (“L”: VSS, “H”: VDD)
60	ASYI	I	Asymmetry comparate voltage input
61	RFAC	I	EFM signal input
62	AVSS3	—	Analog ground
63	CLTV	I	VCO control voltage input from master.
64	FILO	O	Filter output for master PLL. (slave=digital PLL)
65	FILI	I	Filter input from master PLL.
66	PCO	O	Charge pump output for master PLL.
67	AVDD3	—	Analog power supply pin
68	BIAS	I	Asymmetry circuit constant current input
69	VCTL	I	VCO2 control input from wideband EFM PLL.
70	V16M	O	VCO2 oscillator output for wideband EFM PLL. (Not used.)
71	VPCO	O	Charge pump output for wideband EFM PLL. (Not used.)
72	DVSS	—	Digital ground
73	MD2	I	Digital out ON/OFF control input (“L”: OFF, “H”: ON)
74	DOUT	O	Digital out output
75	ASYE	I	Asymmetry circuit ON/OFF input (“L”: OFF, “H”: ON)
76	DVDD	—	Digital power supply pin
77	LRCK	O	D/A interface LR clock output (f=Fs)
78	LRCKI	I	D/A interface LR clock input
79	PCMD	O	D/A interface serial data output (2’s COMP, MSB fast)
80	PCMD	I	D/A interface serial data input (2’s COMP, MSB fast)
81	BCK	O	D/A interface bit clock output
82	BCKI	I	D/A interface bit clock input
83	EMPH	O	Emphasis ON/OFF signal output
84	EMPHI	I	Emphasis ON/OFF signal input (“H”: ON, “L”: OFF)
85	XVDD	—	Power supply for master clock.
86	XTAI	I	X’tal oscillator input from master clock (16.9344 MHz).
87	XTAO	O	X’tal oscillator output for master clock (16.9344 MHz). (Not used.)
88	XVSS	—	Ground pin for master clock.
89	AVDD1	—	Analog power supply pin
90	AOUT1	O	Lch analog output (Not used.)
91	AIN1	I	Lch OP amplifier input (Not used.)
92	LOUT1	O	Lch LINE output (Not used.)
93	AVSS1	—	Analog ground
94	AVSS2	—	Analog ground
95	LOUT2	O	Rch LINE output (Not used.)
96	AIN2	I	Rch OP amplifier input (Not used.)
97	AOUT2	O	Rch analog output (Not used.)
98	AVDD2	—	Analog power supply pin
99	RMUT	O	Rch “0” detect Flug (Not used.)
100	LMUT	O	Lch “0” detect Flug (Not used.)

• IC5 CXP84640-072Q (CD SYSTEM CONTROL) (SERVO BOARD)

Pin No.	Pin Name	I/O	Pin Description
1	ITRPT	—	Not used in this set.
2, 3	—	—	Not used in this set.
4, 5	NCO	—	Not used in this set.
6	OPEN	I	Front panel open detection input
7	CLOSE	O	Front panel close control output
8	LINKOFF	I	Bus interface link input
9	NCO	—	Not used in this set.
10	$\overline{\text{D SW}}$	I	Down switch input (SW1)
11	SSTP	I	Limit switch input (SW4)
12, 13	NCO	—	Not used in this set.
14, 15	—	—	Not used in this set.
16	EMPH O	O	De-emphasis ON/OFF control output
17	CDMON	O	CD mechanism deck power control output
18	CD ON	O	CD power control output
19	A MUT	O	System attenuate control output
20	$\overline{\text{LD ON}}$	O	Laser power ON/OFF control output
21	$\overline{\text{CD RST}}$	O	CD system reset output
22	HOLD	O	Hold switch output
23	AGC CONT	O	AGC control output
24	—	—	Not used in this set.
25	PH3	I	Not used in this set.
26	$\overline{\text{TSTIN0}}$	I	Not used in this set.
27	$\overline{\text{TSTIN1}}$	I	Not used in this set.
28	$\overline{\text{TST.CLV}}$	I	Not used in this set.
29	NCO	—	Not used in this set.
30	$\overline{\text{RESET}}$	I	System reset input (“L”=Reset)
31	X IN	I	X’tal oscillator input from system clock. (10 MHz)
32	$\overline{\text{X OUT}}$	O	X’tal oscillator output for system clock. (10 MHz)
33	GND	—	Analog ground
34	$\overline{\text{XT OUT}}$	O	Not used in this set.
35	XT IN	I	Not used in this set.
36	AVSS	—	A/D converter ground
37	AVREF	I	A/D converter reference voltage input
38	TEP L	I	Not used in this set.
39	TEP H	I	Not used in this set.
40	SLED–	I	Sled drive input
41	PH2	I	Not used in this set.
42	SEK/SMET	I	Fixed at “H” in this set.
43	GFS/MNT2 SEL	I	Fixed at “H” in this set.
44	SC-JIG ON/OFF	I	Fixed at “H” in this set.
45	SCLK	O	CD-TEXT data read clock output
46	LOCK	I/O	Lock signal input/output
47	—	—	Not used in this set.
48	SCK2	O	Sub Q read clock output
49	SI2	I	Sub Q 80 bit, PCM peak and level data 16 bit input.
50	—	—	Not used in this set.
51	BUS CLK	I/O	Bus system serial clock input/output
52	BUS SI	I	Bus system serial interface input
53	BUS SO	O	Bus system serial interface output
54	F OK	I	Focus OK signal input
55	GFS	I	GFS signal detection input
56	TEST MODE	I	Fixed at “H” in this set.

Pin No.	Pin Name	I/O	Pin Description
57	SENS	I	SENS signal input
58	—	—	Not used in this set.
59	—	—	Not used in this set.
60	BU.IN	I	Back-up power detection input
61	$\overline{\text{BUSON}}$	I	Bus on control input
62	$\overline{\text{IN SW}}$	I	Disc in switch input (SW3)
63	$\overline{\text{SELF SW}}$	I	Self switch input (SW2)
64	SCOR	O	Sub-code sync output
65	CD-CKO	O	CD signal process serial clock input
66	LM LOD	O	Loading motor control output
67	CD DATA	O	CD signal process serial data output
68	CD-XLAT	O	CD signal process serial data latch output
69	LM-EJ	O	Loading motor control output
70	DRV-OE	O	Focus/tracking coil/sled motor control output
71	MD2	O	Digital out ON/OFF control output (“L”: OFF, “H”: ON)
72	VDD	—	Power supply pin
73	NIH	I	Fixed at “H” in this set.
74	V/Z	I	Fixed at “H” in this set.
75	PH1	I	Not used in this set.
76	—	—	Not used in this set.
77	DOUT-SEL	I	Fixed at “H” in this set.
78 – 80	—	—	Not used in this set.

• IC301 HD6432355A22F (DISPLAY CONTROL)

Pin No.	Pin Name	I/O	Pin Description
1, 2	PG3, 4	O	Not used. (Open)
3	VSS	—	Ground
4	NC	—	Not used. (Open)
5	VCC	—	Power supply pin (+5 V)
6 – 9	PC0 – 3	O	Not used. (Open)
10	VSS	—	Ground
11 – 14	PC4 – 7	O	Not used. (Open)
15 – 18	PB0 – 3	O	Not used. (Open)
19	VSS	—	Ground
20 – 23	PB4 – 7	O	Not used. (Open)
24 – 27	PA0 – 3	O	Not used. (Open)
28	VSS	—	Ground
29 – 32	PA4 – 7	O	Not used. (Open)
33	SP-LAT	I	Spectrum analyzer data latch input
34	P66	O	Not used. (Open)
35, 36	VSS	—	Ground
37	P65	O	Not used. (Open)
38	$\overline{\text{BUS-ON}}$	I	BUS ON control input
39	VCC	—	Power supply pin (+5 V)
40 – 43	PE0 – 3	O	Not used. (Open)
44	VSS	—	Ground
45	DSP SEL	I	Digital signal processor select input (Fixed at “H” in this set.)
46, 47	LED SW1, 2	I	Operation/display side illumination select control input1, 2
48	PE7	O	Not used. (Open)
49	BU-IN	I	Backup power detection input
50	LINK-OFF	O	LINK OFF output
51	PD2	O	Not used. (Open)
52	ILL-ON	O	Illumination power control output
53	VSS	—	Ground
54	AMBER	O	Not used. (Open)
55	GREEN	O	Not used. (Open)
56	PD6	O	Not used. (Open)
57	$\overline{\text{BOOT}}$	I	Display micon write control input
58	VCC	—	Power supply pin (+5 V)
59	P30	—	Not used. (Open)
60	TX/FL-SO	O	LCD driver serial data output/Flash micon write data output
61	SP-SI	I	Digital signal processor IC spectrum analyzer data input
62	RX	I	Flash micon write data input
63	SP-CLK	I	Digital signal processor IC spectrum analyzer clock input
64	LCD CLK	O	LCD driver serial clock output
65	VSS	—	Ground
66	LCD CE0	O	LCD driver chip enable output 0
67, 68	VSS	—	Ground
69	$\overline{\text{INH}}$	O	LCD driver inhibit control output
70	LCD-CE1	O	LCD driver chip enable output 1
71	P63	O	Not used. (Open)
72 – 78	P27 – 21	O	Not used. (Open)
79	FL-W	O	Flash write control output
80	FWE (L)	I	Flash write enable input
81	$\overline{\text{RES}}$	I	System reset input
82	NMI (H)	I	Non-maskable interruption input
83	ST/SY (H)	I	Hardware standby input

Pin No.	Pin Name	I/O	Pin Description
84	VCC	—	Power supply pin (+5 V)
85	XTAL	I	X'tal oscillation input (18.43 MHz)
86	EXTAL	O	X'tal oscillation output (18.43 MHz)
87	VSS	—	Ground
88	PF7	O	Not used. (Open)
89	VCC	—	Power supply pin (+5 V)
90 – 96	PF6 – 0	O	Not used. (Open)
97	UNI-SO	O	SONY BUS serial data output
98	UNI-SI	I	SONY BUS serial data input
99, 100	VSS	—	Ground
101	UNI-SCK	I	SONY BUS serial clock input
102	P53	O	Not used. (Open)
103	AVCC	—	Analog power supply pin (+5 V)
104	VREF	—	VREF+ input of A/D converter. (+5 V)
105	P40	I	Not used. (Fixed at "L" in this set.)
106 – 112	P41 – 47	I	Not used. (Fixed at "L" in this set.)
113	AVSS	—	Analog ground
114	VSS	—	Ground
115 – 122	P17 – 10	O	Not used. (Open)
123 – 125	MD0 (H) – MD2 (H)	I	Operation mode setting pin (Fixed at "H" in this set.)
126 – 128	PG0 – 2	O	Not used. (Open)

• IC302 CXD2726Q-4 (DIGITAL SIGNAL PROCESSOR, DIGITAL FILTER, D/A CONVERTER)

Pin No.	Pin Name	I/O	Pin Description
1	DGND	—	Ground terminal (digital system)
2 – 21	NIL	I	Input terminal for the test (fixed at "L")
22 – 24	JPE1 – JPE3	I	External condition jump terminal "H": condition jump (fixed at "L")
25	DVDD	—	Power supply terminal (+3.3 V) (digital system)
26	DA1GND	—	Ground terminal (for D/A converter 1) (analog system)
27	DA1LO	O	D/A converter 1 (L-ch side) output terminal Analog signal output for front side (L-ch side) output in this set
28	DA1VDD	—	Power supply terminal (+3.3 V) (for D/A converter 1) (analog system)
29	DA1RO	O	D/A converter 1 (R-ch side) output terminal Analog signal output for rear side (L-ch side) output in this set
30	DA1VDD	—	Power supply terminal (+3.3 V) (for D/A converter 1) (analog system)
31	DA1GND	—	Ground terminal (for D/A converter 1) (analog system)
32	ADLVDD	—	Power supply terminal (+3.3 V) (for L-ch side A/D converter) (analog system)
33	ADLGND	—	Ground terminal (for L-ch side A/D converter) (analog system)
34	ADLREF	O	Connected to the bus control for A/D converter (for L-ch side)
35	ADLIN	I	A/D converter (L-ch side) analog input terminal Tuner and bus audio input signal (L-ch side) in this set
36	DA2GND	—	Ground terminal (for D/A converter 2) (analog system)
37	DA2VDD	—	Power supply terminal (+3.3 V) (for D/A converter 2) (analog system)
38	DA2LO	O	D/A converter 2 (L-ch side) output terminal (Not used.)
39	MCKVDD	—	Power supply terminal (+3.3 V) (for master clock) (analog system)
40	MCKO	O	System clock output terminal (16.9344 MHz)
41	MCKI	I	System clock input terminal (16.9344 MHz)
42	MCKGND	—	Ground terminal (for master clock) (analog system)
43	DA2RO	O	D/A converter 2 (R-ch side) output terminal Analog signal output for sub woofer output in this set
44	DA2VDD	—	Power supply terminal (+3.3 V) (for D/A converter 2) (analog system)
45	DA2GND	—	Ground terminal (for D/A converter 2) (analog system)
46	ADRIN	I	A/D converter (R-ch side) analog input terminal Tuner and bus audio input signal (R-ch side) in this set
47	ADRREF	O	Connected to the bus control for A/D converter (for R-ch side)
48	ADRGND	—	Ground terminal (for R-ch side A/D converter) (analog system)
49	ADRVDD	—	Power supply terminal (+3.3 V) (for R-ch side A/D converter) (analog system)
50	AVS6	—	Ground terminal (for D/A converter 3) (analog system)
51	DA3VDD	—	Power supply terminal (+3.3 V) (for D/A converter 3) (analog system)
52	DA3LO	O	D/A converter 3 (L-ch side) output terminal Analog signal output for rear side (R-ch side) output in this set
53	DA3VDD	—	Power supply terminal (+3.3 V) (for D/A converter 3) (analog system)
54	DA3RO	O	D/A converter 3 (R-ch side) output terminal Analog signal output for front side (R-ch side) output in this set
55	DA3GND	—	Ground terminal (for D/A converter 3) (analog system)
56	DGND	—	Ground terminal (digital system)
57	DSP RST	I	System reset signal input from the master controller (IC801) "L": reset
58	MCKO	O	Master clock signal output terminal
59	SCK	I	Serial data transfer clock signal input from the master controller (IC801) and liquid crystal display drive controller (IC301)
60	REDY	O	Transfer enable signal output to the master controller (IC801) "L": transfer prohibition
61	TRDT	O	Serial data output to the master controller (IC801) and liquid crystal display drive controller (IC301)
62	XLAT	I	Serial data latch pulse input from the master controller (IC801)

Pin No.	Pin Name	I/O	Pin Description
63	RVDT	I	Serial data input from the master controller (IC801)
64	24/23BIT	I	Serial data 24/32 bit slot selection signal input terminal “L”: 24 bit slot, “H”: 32 bit slot (validity at slave mode) (fixed at “L” in this set)
65	DVDD	—	Power supply terminal (+3.3 V) (digital system)
66	DVSS	—	Ground terminal (digital system)
67 – 69	SO1 – SO3	O	Serial data output terminal (Not used.)
70	SOUT	O	Serial data output terminal (Not used.)
71	DATA	I	Serial data input terminal
72, 73	SI1, SI3	I	Serial data input terminal Not used (fixed at “L”)
74	SIN	I	Serial data input terminal Not used (fixed at “L”)
75	BCK	I	Bit clock signal (2.8224 MHz) input terminal
76	LRCK	I	L/R sampling clock signal (44.1 kHz) input terminal
77	MST/SLV	I	Bit clock (BCK) and L/R sampling clock (LRCK) signal master/slave mode selection signal input from the master controller (IC502) “L”: master mode, “H”: slave mode
78	DVDD	—	Power supply terminal (+3.3 V) (digital system)
79	PLLGND	—	Ground terminal (PLL system)
80	PLLENA	I	PLL enable signal input terminal Normally: fixed at “L”
81	22 MHz	O	PLL clock signal output terminal (22.5792 MHz) (Not used.)
82	PLLCNT	I	PLL clock output control signal input from the master controller (IC801) At “L” is input: fixed at “L” is PLCLK (pin ⑧①) At “H” is input: PLL clock signal output from the PLCLK (pin ⑧①)
83	PLLVDD	—	Power supply terminal (+3.3 V) (PLL system)
84	DGND	—	Ground terminal (digital system)
85 – 94	NIL	I	Input terminal for the test Normally: fixed at “L”
95	DVDD	—	Power supply terminal (+3.3 V) (digital system)
96	DRAMGND	—	Ground terminal (for D-RAM)
97 – 99	NIL	I	Input terminal for the test Normally: fixed at “L”
100	DRAMVDD	—	Power supply terminal (+3.3 V) (for D-RAM)

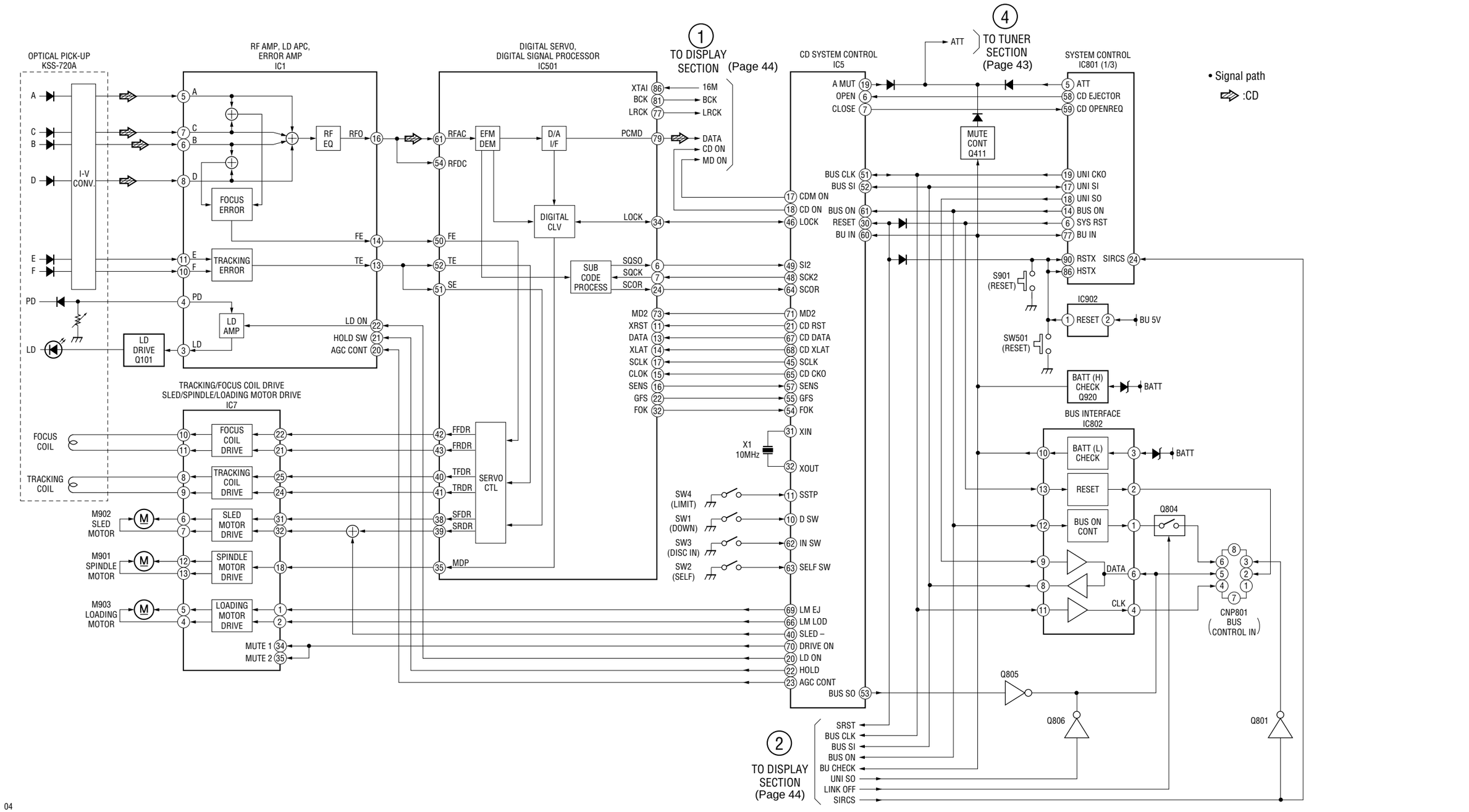
• IC801 MB90574BPMT-256-BND (CDX-M700R) (SYSTEM CONTROL)
IC801 MB90574BPMT-255-BND (CDX-M750) (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Pin Description
1	(NCO)	O	Not used. (Open)
2	(AMSIN)	I	Inter-music detection input (“H”: inter-music) (Fixed at “L” in this set.)
3	(AMSON)	O	AMS sens select output (Not used in this set.)
4	SP LATCH	O	Spectrum analyzer display data latch signal output to display micon.
5	ATT	O	System attenuate control output
6	$\overline{\text{SYSRST}}$	O	Resetting for slave micon of SONY BUS system.
7	(N/R)	O	Forward/Reverse select output (“L”: forward, “H”: reverse) (Not used in this set.)
8	VCC	—	Power supply pin (+5 V)
9	(NCO)	O	Not used. (Open)
10	E2PSIO	I/O	Tuner EEPROM communication input/output
11	E2PCKO	I/O	Tuner EEPROM communication input/output
12	FLS SI	I	Flash micon write data input
13	FLS SO	O	Flash micon write data output
14	$\overline{\text{BUS-ON}}$	O	BUS ON output
15	BEEP	O	Beep output
16	TELATT	I	Telephone mute input (“H”: mute ON)
17	UNISI	I	SONY BUS serial data input
18	UNISO	O	SONY BUS serial data output
19	UNICKO	O	SONY BUS serial clock output
20	IFWIDTH	O	Not used. (Open)
21, 22	(NCO)	O	Not used. (Open)
23	(MTLOUT)	O	Tape metal signal output (“H”: metal) (Not used in this set.)
24	SIRCS	I	Wireless remote data input
25	DSPSI	I	Digital signal processor serial data input
26	DSPSO	O	Digital signal processor serial data output
27	DSPCKO	O	Digital signal processor clock output
28	(DSPPLL)	O	Not used. (Open)
29	DSPMST	O	Digital signal processor master slave control output
30	SW SHIFT	O	Tuner SW (Short Wave) signal output (“H”: SW signal receipt) (Not used in this set.)
31	$\overline{\text{VOLATT}}$	O	Electronic volume mute output (“L”: mute ON)
32	TU ATT	O	Tuner mute output (“H”: mute ON)
33	VSS	—	Ground
34	C	—	Power stabilization capacitor pin
35	DSPLAT	O	Digital signal processor latch output
36	$\overline{\text{DSPRST}}$	O	Digital signal processor reset output
37	SHIFT	O	DC/DC converter oscillation frequency shift output (“H”: shift output)
38	DVCC	—	VREF input of D/A converter.
39	DVSS	—	Ground of D/A converter.
40	FP CTRL	O	Front panel OPEN/CLOSE motor voltage control output
41	(NCO)	O	Not used. (Open)
42	AVCC	—	Analog power supply pin (+5 V)
43	AVRH	—	VREF+ input of A/D converter. (+5 V)
44	AVRL	—	VREF– input of A/D converter.
45	AVSS	—	Analog ground
46, 47	KEYIN0, 1	I	Key input 0, 1
48	RCIN0	I	Rotary commander input 0
49	(NCO)	—	Not used. (Open)
50	QUALITY	I	Noise detection input
51	FM AGC	I	FM suppression level detection input
52	MPTH	I	Tuner multi path detection input
53	VSM	I	S-meter voltage detection input

Pin No.	Pin Name	I/O	Pin Description
54	VCC	—	Power supply pin (+5 V)
55	ST-BY	O	Power amplifier drive output
56	NS MASK	O	Noise detection output
57	(REEL)	I	Tape rotation detection input (Fixed at “L” in this set.)
58	CD EJECTOK	O	CD eject control output
59	$\overline{\text{CD OPENREQ}}$	I	Front panel open request input
60 – 62	(POS0 – 2)	I	Mechanism deck position detection input (Fixed at “L” in this set.)
63	VSS	—	Ground
64	(POS3)	I	Mechanism deck position detection input (Fixed at “L” in this set.)
65	PWM	I	Oscillation frequency count input
66	(LMLOD)	O	Loading motor control output (Loading direction) (Not used in this set.)
67	(CM-ON)	O	Capstan motor drive power supply output (Not used in this set.)
68	(TAPEON)	O	Tape drive power supply output (Not used in this set.)
69	$\overline{\text{FLASH-W}}$	I	Flash write input
70	I2CSIO	I/O	I²C BUS serial data input/output
71	I2CCKO	O	I²C BUS serial clock output
72	RC IN1	I	Rotary commander input 1
73	X1A	O	Sub ceramic oscillator output (32 kHz)
74	X0A	I	Sub ceramic oscillator input (32 kHz)
75	DAVN	I	RDS IC data acquisition detection input
76	CDON-IN	I	CD mechanism power control input
77	BU IN	I	Backup power detection input
78	DSPREADY	I	Digital signal processor ready input
79	KEY ACK	I	Key input acknowledge
80	$\overline{\text{ADON}}$	O	Power control output of A/D converter.
81	$\overline{\text{ACCIN}}$	I	Accessory key ON input
82	FLSW PWON	O	Flash power ON output
83	PW ON	O	System power control output
84	$\overline{\text{TESTIN}}$	I	Test mode initial setting detection input
85	RAM BU	I	RAM reset detection input
86	HSTX	I	Hardware standby input (Connect to pin ⑨⓪ (RSTX).)
87	MD2	I	Operation mode input (Connect to ground in this set.)
88, 89	MD1, 0	I	Operation mode input (Connect to VCC in this set.)
90	RSTX	I	Reset input
91	VSS	—	Ground
92	X0	I	Main ceramic oscillator input (3.68 MHz)
93	X1	O	Main ceramic oscillator output (3.68 MHz)
94	VCC	—	Power supply pin (+5 V)
95	$\overline{\text{ILL IN}}$	I	Illumination control input
96	$\overline{\text{I-DET}}$	I	Front panel OPEN/CLOSE motor current abnormal detection input
97	MOT–	O	Front panel OPEN/CLOSE motor control output (– direction)
98	MOT+	O	Front panel OPEN/CLOSE motor control output (+ direction)
99	$\overline{\text{CLOSESW}}$	I	Front panel CLOSE detection switch input
100	$\overline{\text{OPENSW}}$	I	Front panel OPEN detection switch input
101 – 103	SCODE0 – 2	I	Security code setting port 0 – 2
104	DSTSETTING1	I	Destination setting port (Fixed at “L” (TYPE1, 2/M750), “H” (TYPE3).)
105	DSTSETTING2	I	Destination setting port (Fixed at “L” (TYPE1/M750), “H” (TYPE2, 3).)
106	$\overline{\text{BOOT}}$	O	Display micon write control output
107	(NCO)	I	Not used. (Open)
108	DSPON	O	Digital signal processor power control output
109	(NCO)	O	Not used. (Open)
110	EMPH-IN	I	Emphasis input
111	(PACKSW)	I	Tape with/without detection input (Not used. (Fixed at “L” in this set.))

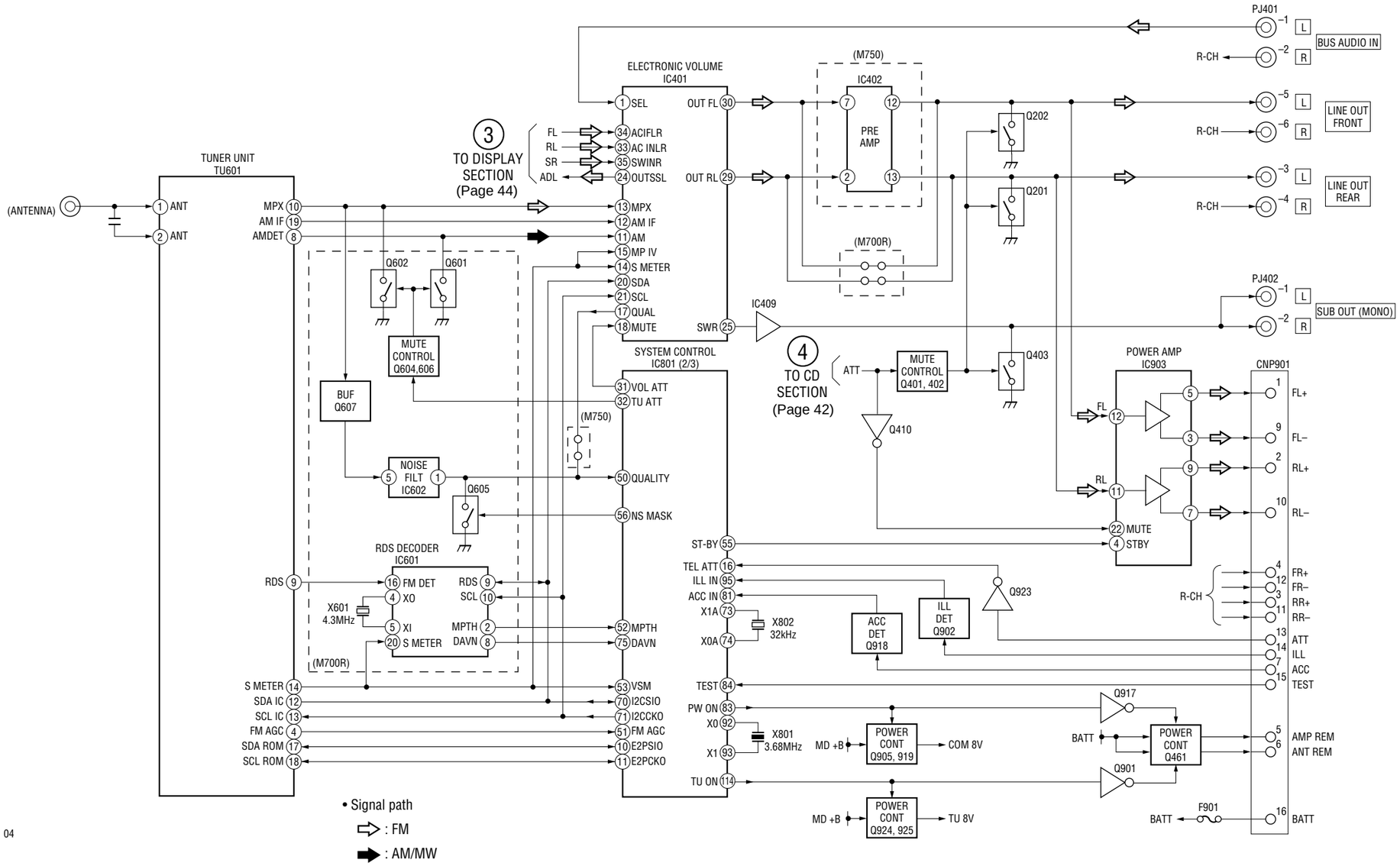
Pin No.	Pin Name	I/O	Pin Description
112	$\overline{\text{4V SEL}}$	I	4 V select input (Fixed at “L” (CDX-M750) or “H” (CDX-M700R) in this set.)
113	(P-SEL)	I	Power select initial setting (Fixed at “L” in this set.)
114	TUNON	O	Tuner power control output
115, 116	LED SW1, 2	O	Operation/display side illumination select control output 1, 2
117, 118	(NCO)	O	Not used. (Open)
119	VSS	—	Ground
120	(DOLBY)	O	DOLBY B ON/OFF select output (“H”: ON) (Not used in this set.)

4-2. BLOCK DIAGRAM — CD SECTION —



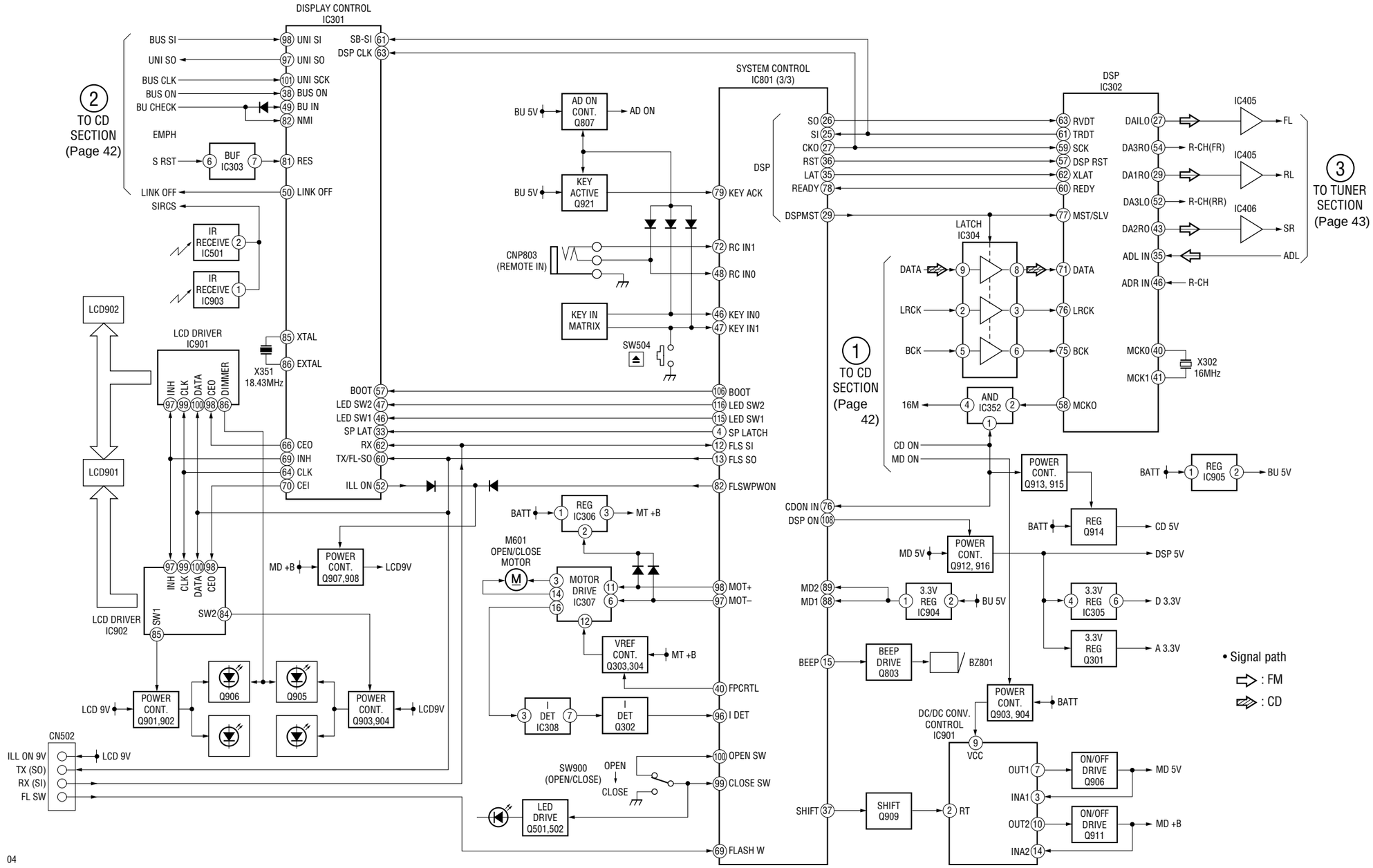
04

4-3. BLOCK DIAGRAM — TUNER SECTION —

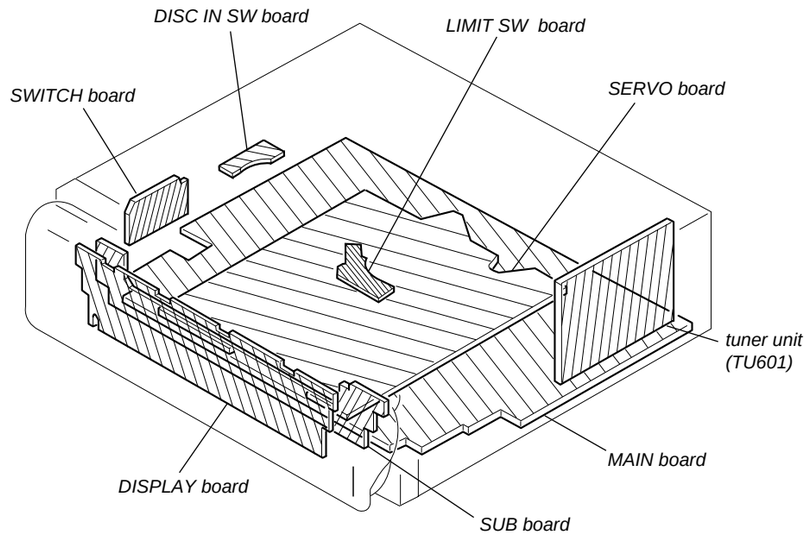


04

4-4. BLOCK DIAGRAM — DISPLAY SECTION —



4-5. CIRCUIT BOARDS LOCATION



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

for schematic diagram:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- ▭ : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

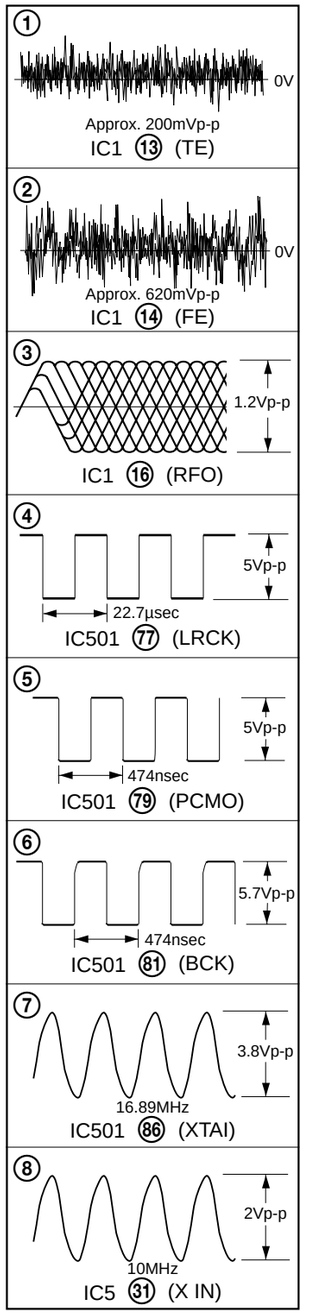
- B+ : B+ Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ➡ : AM/MW
  ⇨ : CD

for printed wiring boards:

- ○—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- ○ : Through hole.
- ▒ : Pattern from the side which enables seeing. (The other layer's patterns are not indicated.)

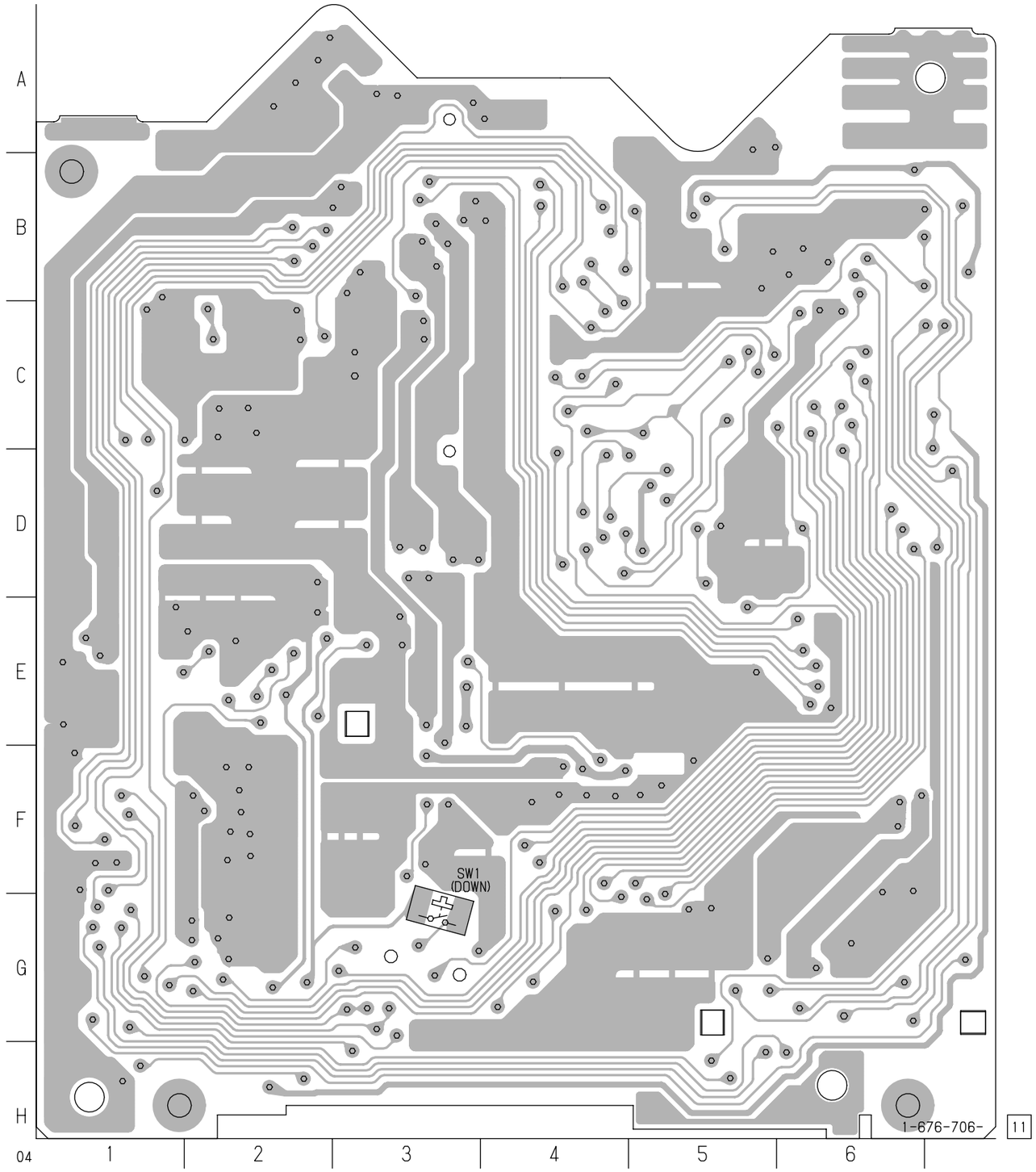
Caution:
Pattern face side (Side B): Parts on the pattern face side seen from the pattern face are indicated.
Parts face side (Side A): Parts on the parts face side seen from the parts face are indicated.

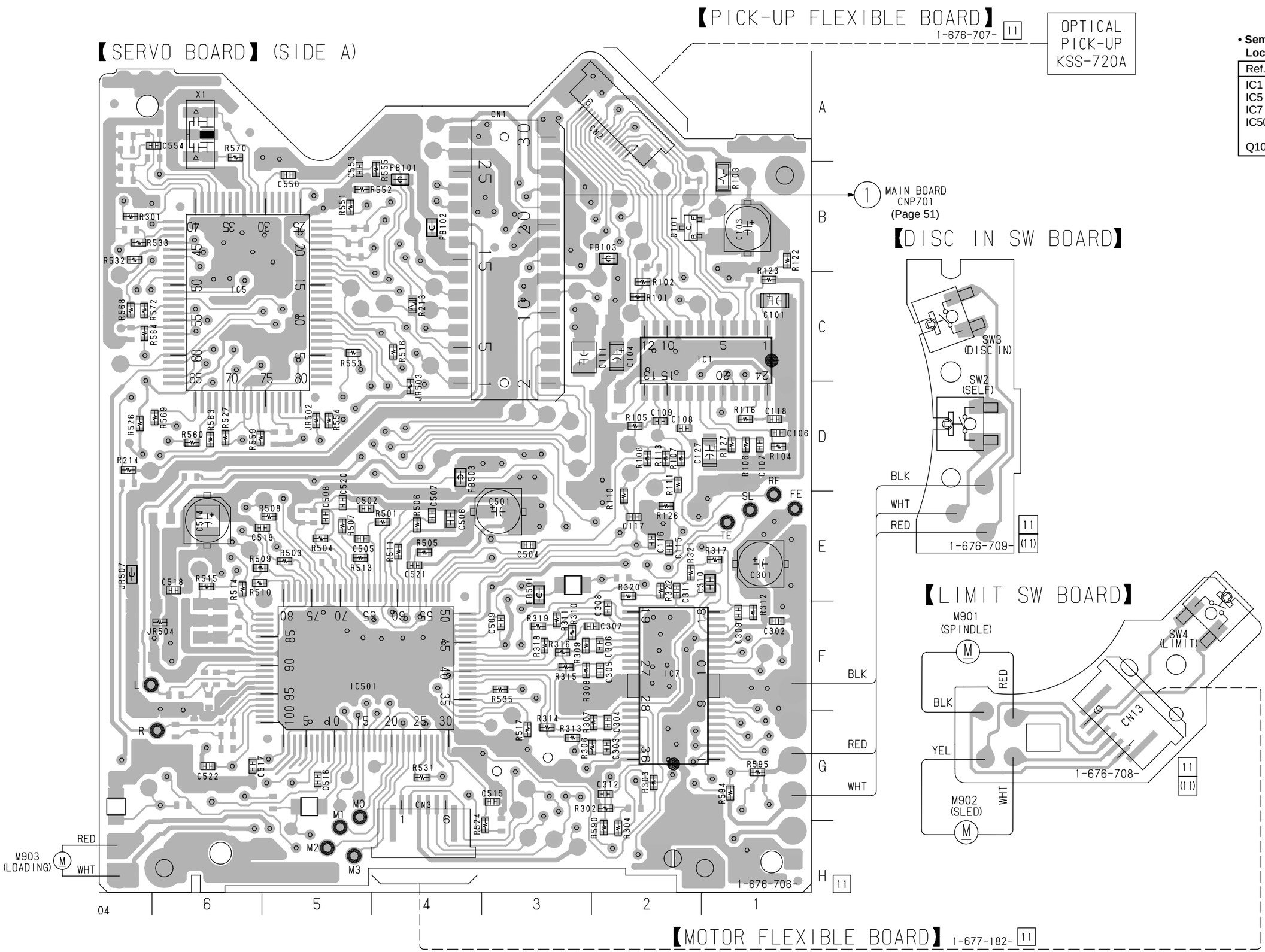
• Waveforms (MODE:PLAY)



4-6. PRINTED WIRING BOARDS — CD MECHANISM SECTION —

【SERVO BOARD】(SIDE B)





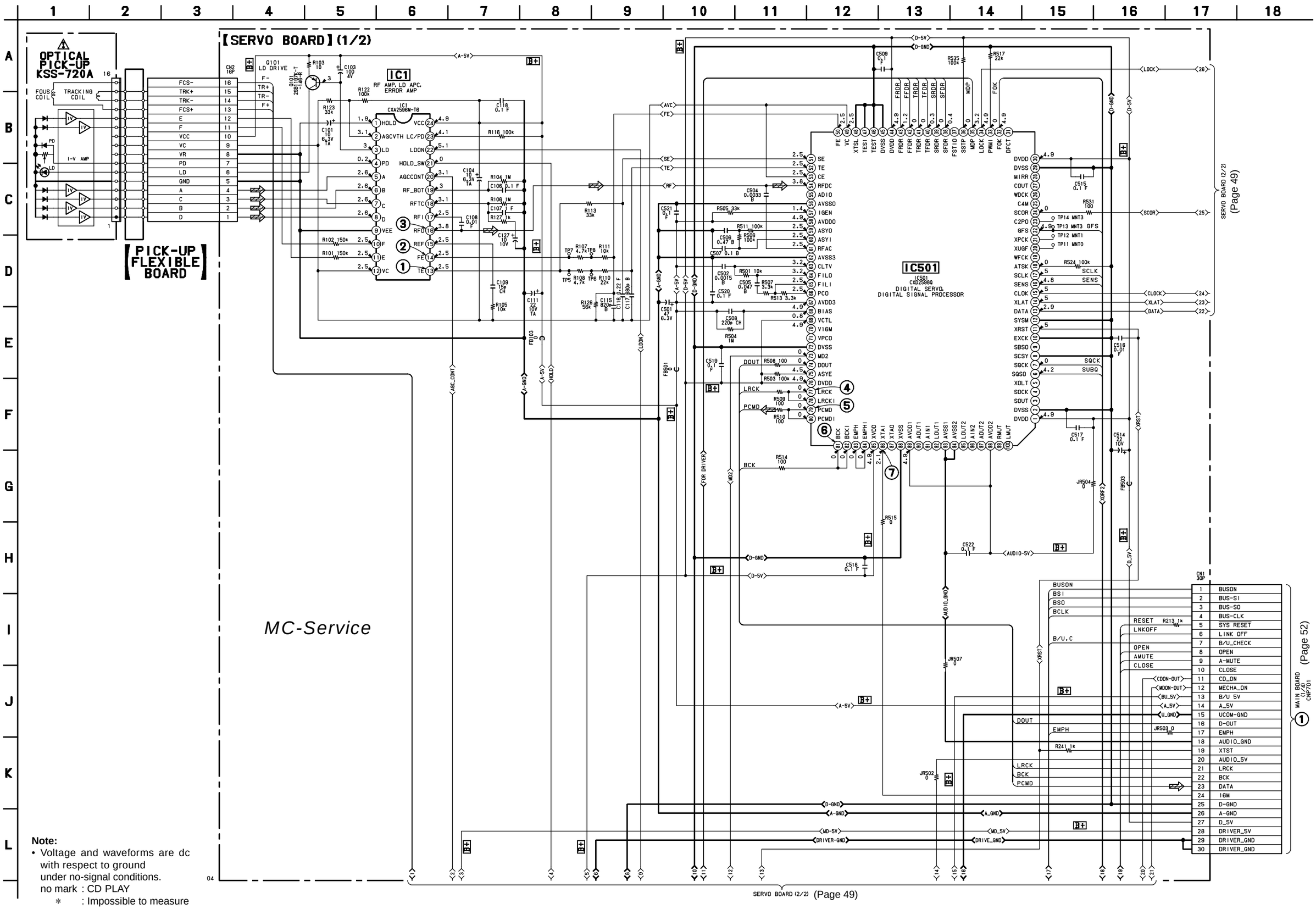
• **Semiconductor Location**

Ref. No.	Location
IC1	C-1
IC5	C-6
IC7	F-2
IC501	F-5
Q101	B-2

• Refer to page 45 for Waveforms.

4-7. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (1/2) —

• Refer to page 60 for IC Block Diagrams.

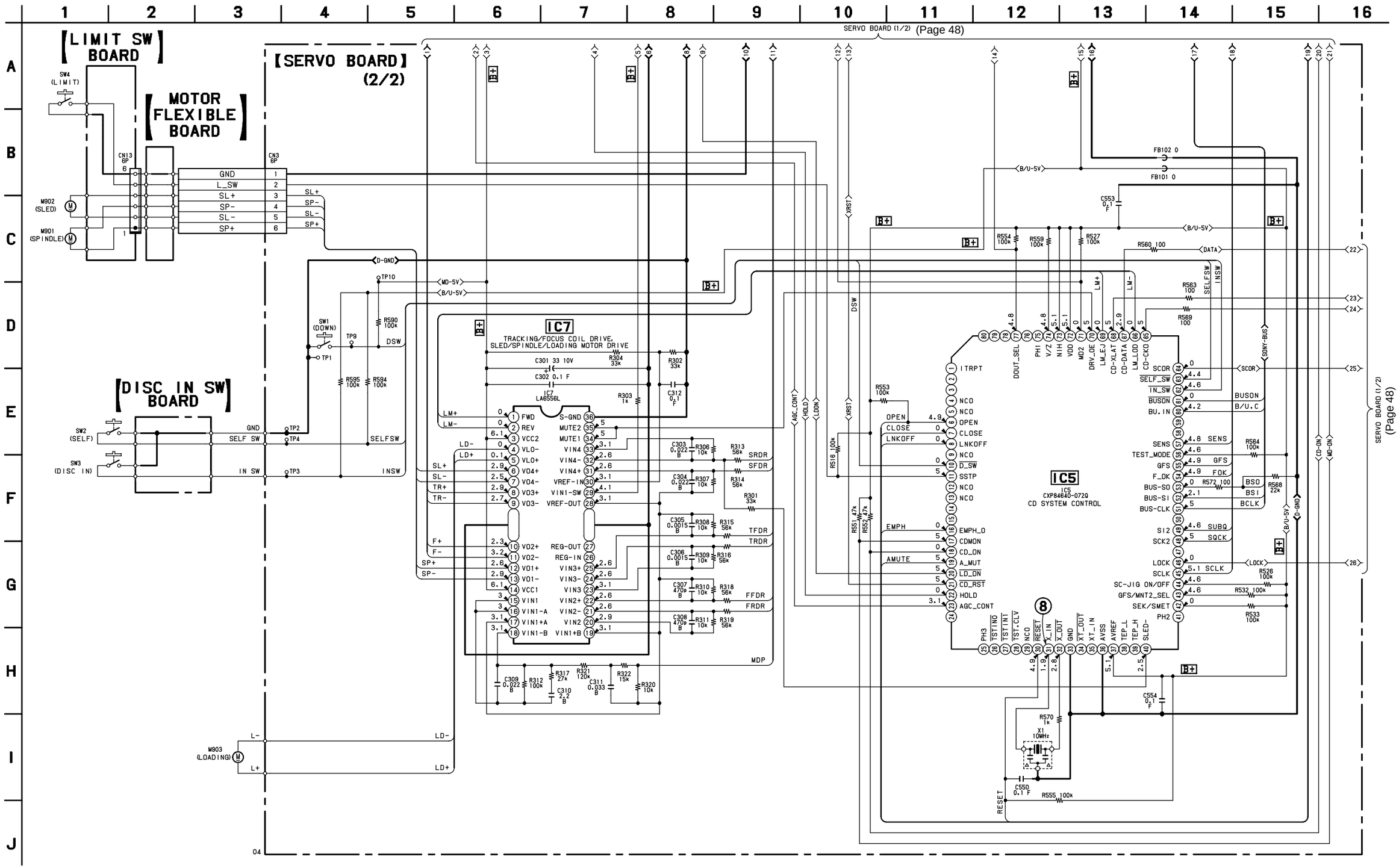


Note:
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : CD PLAY
  ∗ : Impossible to measure

• Refer to page 45 for Waveforms.

4-8. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (2/2) —

• Refer to page 60 for IC Block Diagrams.



MC-Service

Note:

- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : CD PLAY
  ∗ : Impossible to measure

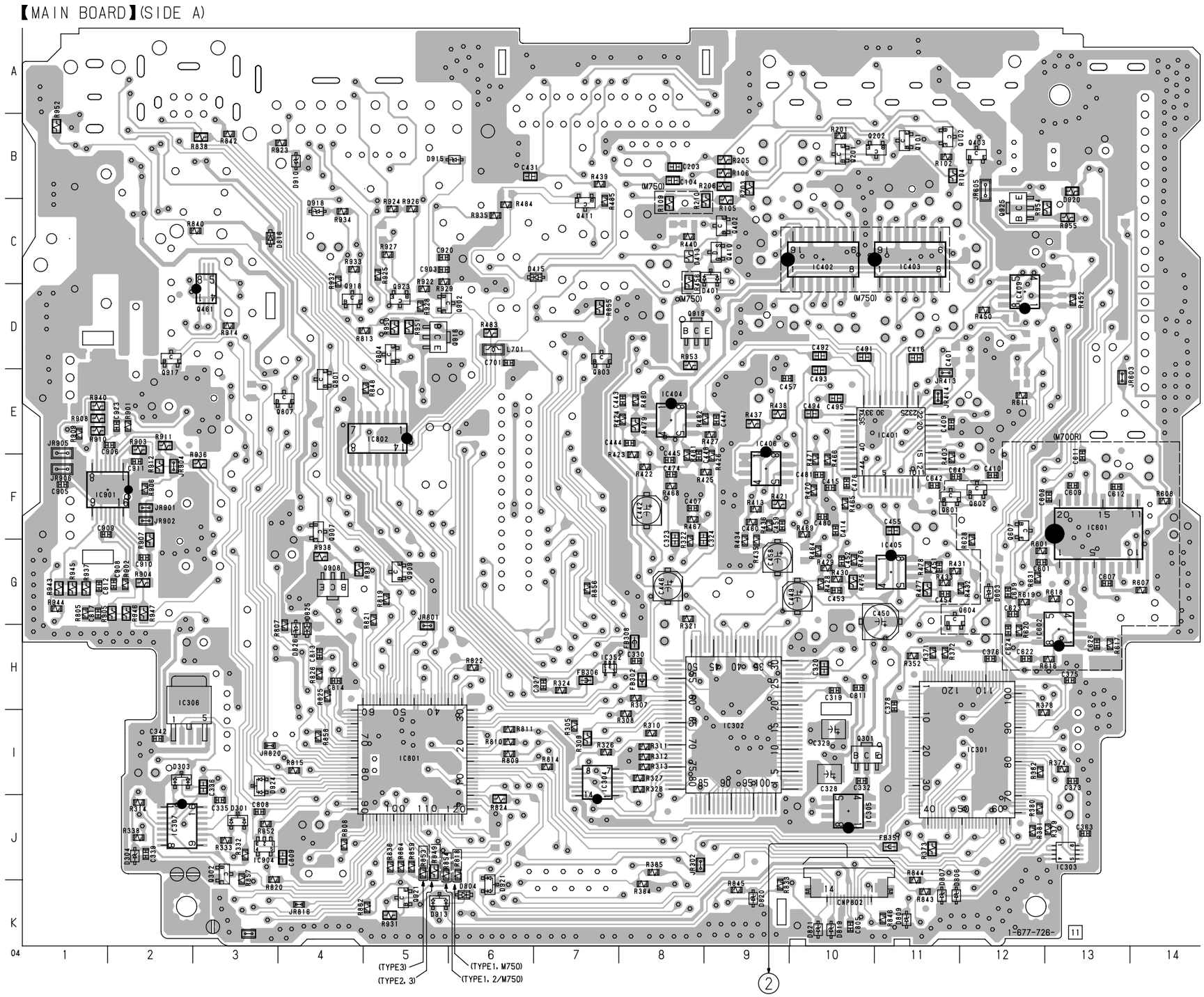
4-9. PRINTED WIRING BOARDS — MAIN SECTION —

• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D301	J-3	IC304	I-7
(D302)	J-11	IC305	J-10
D303	I-2	IC306	H-2
D304	J-2	IC307	J-2
D401	C-9	(IC308)	J-2
(D402)	C-9	IC352	H-7
(D403)	B-9	(IC353)	I-11
(D405)	C-7	IC401	E-11
(D406)	C-7	IC402	C-10
(D407)	C-8	IC403	C-11
(D408)	C-7	IC404	E-8
(D409)	B-8	IC405	G-11
(D410)	B-8	IC406	F-9
(D411)	C-5	IC409	D-12
(D412)	C-5	IC601	F-13
D415	C-7	IC602	H-13
(D416)	C-7	IC801	I-5
(D502)	J-5	IC802	E-5
(D601)	F-14	IC901	F-1
(D602)	G-12	(IC902)	I-5
D603	G-12	(IC903)	A-7
(D604)	F-14	IC904	J-3
(D801)	G-4	(IC905)	E-1
(D802)	J-10		
(D803)	F-11	Q101	B-11
D804	K-6	Q102	B-11
(D805)	K-12	Q201	B-10
D806	K-11	Q202	B-11
D807	K-11	Q301	I-10
(D808)	K-11	Q302	J-3
D809	K-11	(Q303)	I-2
(D810)	K-10	(Q304)	H-3
(D811)	D-5	(Q401)	C-9
(D812)	E-5	Q402	C-9
(D813)	B-2	Q403	B-12
(D814)	B-3	Q410	C-9
(D815)	B-3	Q411	C-7
D816	C-3	Q461	D-3
(D817)	B-1	Q601	F-11
(D818)	B-1	Q602	F-12
D819	K-10	(Q603)	F-13
D820	K-9	Q604	G-11
D821	K-10	(Q605)	F-12
(D822)	K-8	(Q606)	G-11
(D823)	K-7	Q607	F-12
(D824)	K-8	Q801	E-4
D825	H-4	Q803	D-7
D826	H-4	Q804	D-5
(D901)	B-3	(Q805)	G-4
(D902)	F-2	(Q806)	I-10
(D903)	B-4	Q807	E-4
(D904)	G-2	(Q901)	D-2
(D905)	E-4	Q902	D-6
(D906)	D-3	(Q903)	E-3
(D907)	C-4	(Q904)	E-3
(D908)	C-5	(Q905)	D-8
(D909)	B-5	Q906	E-2
D910	B-4	Q907	F-4
(D912)	B-3	Q908	G-4
D913	D-4	Q909	G-5
(D914)	D-4	(Q911)	G-1
D915	B-6	(Q912)	E-4
(D916)	G-3	(Q913)	F-2
(D917)	D-5	(Q914)	F-1
D918	C-4	(Q915)	F-2
(D919)	D-3	Q916	D-5
D921	J-6	Q917	D-2
(D922)	D-7	Q918	D-4
(D923)	D-6	Q919	D-8
D924	I-3	(Q920)	E-5
		Q921	K-5
IC301	I-12	Q923	D-5
IC302	I-9	(Q924)	C-13
IC303	J-13	Q925	C-12

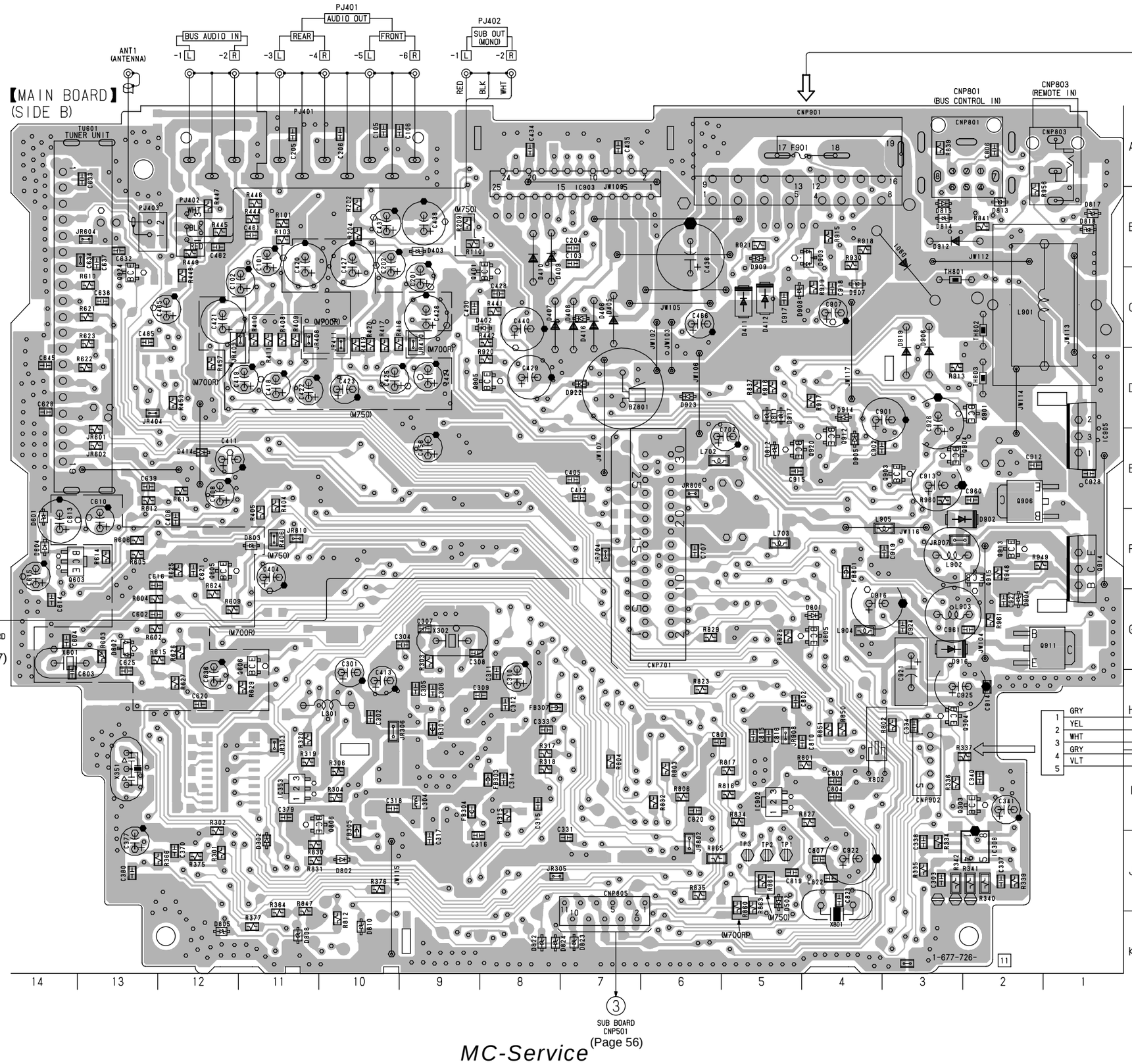
( ) : SIDE B

【MAIN BOARD】(SIDE A)

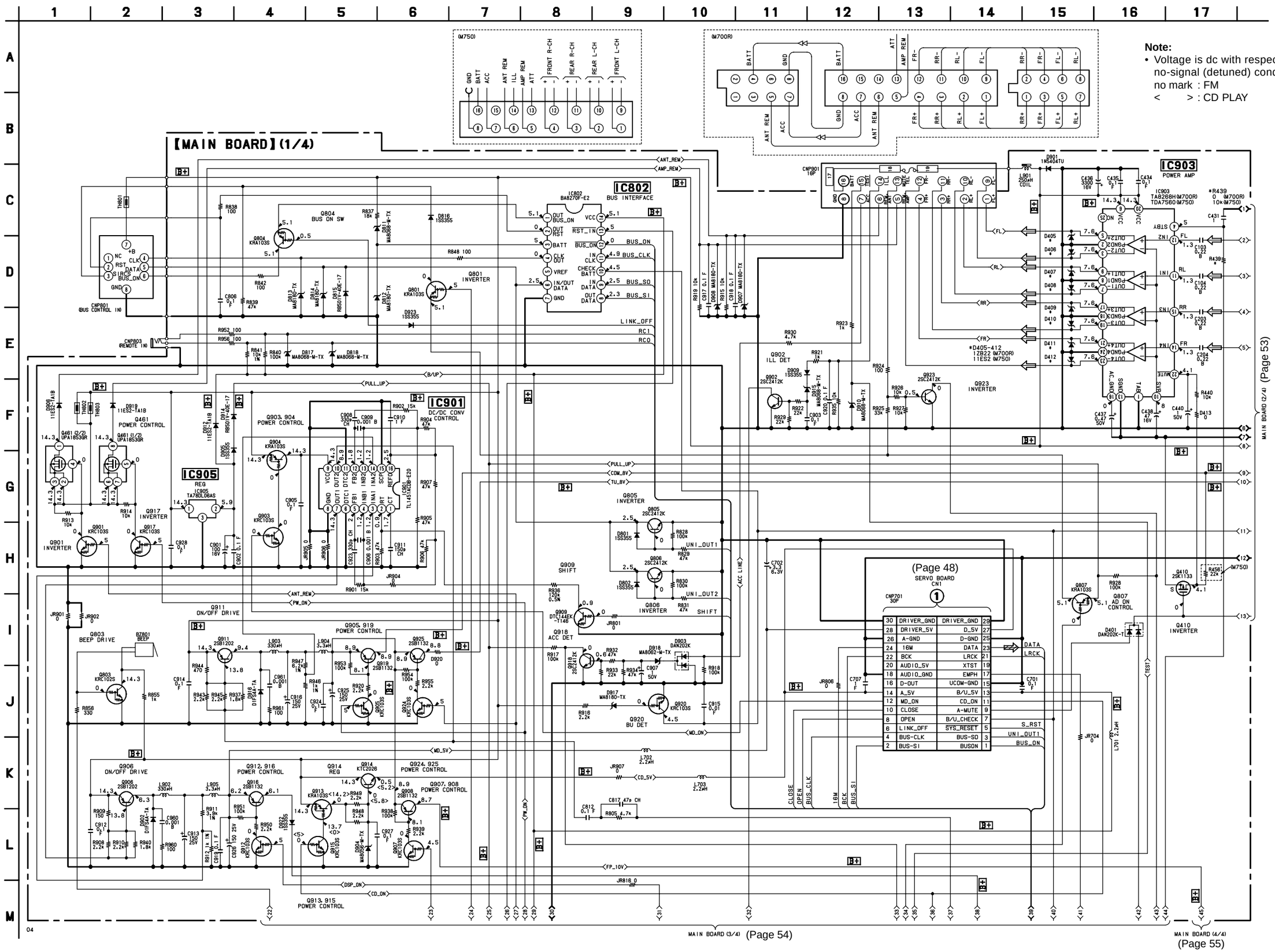


MC-Service

【MAIN BOARD】
(SIDE B)

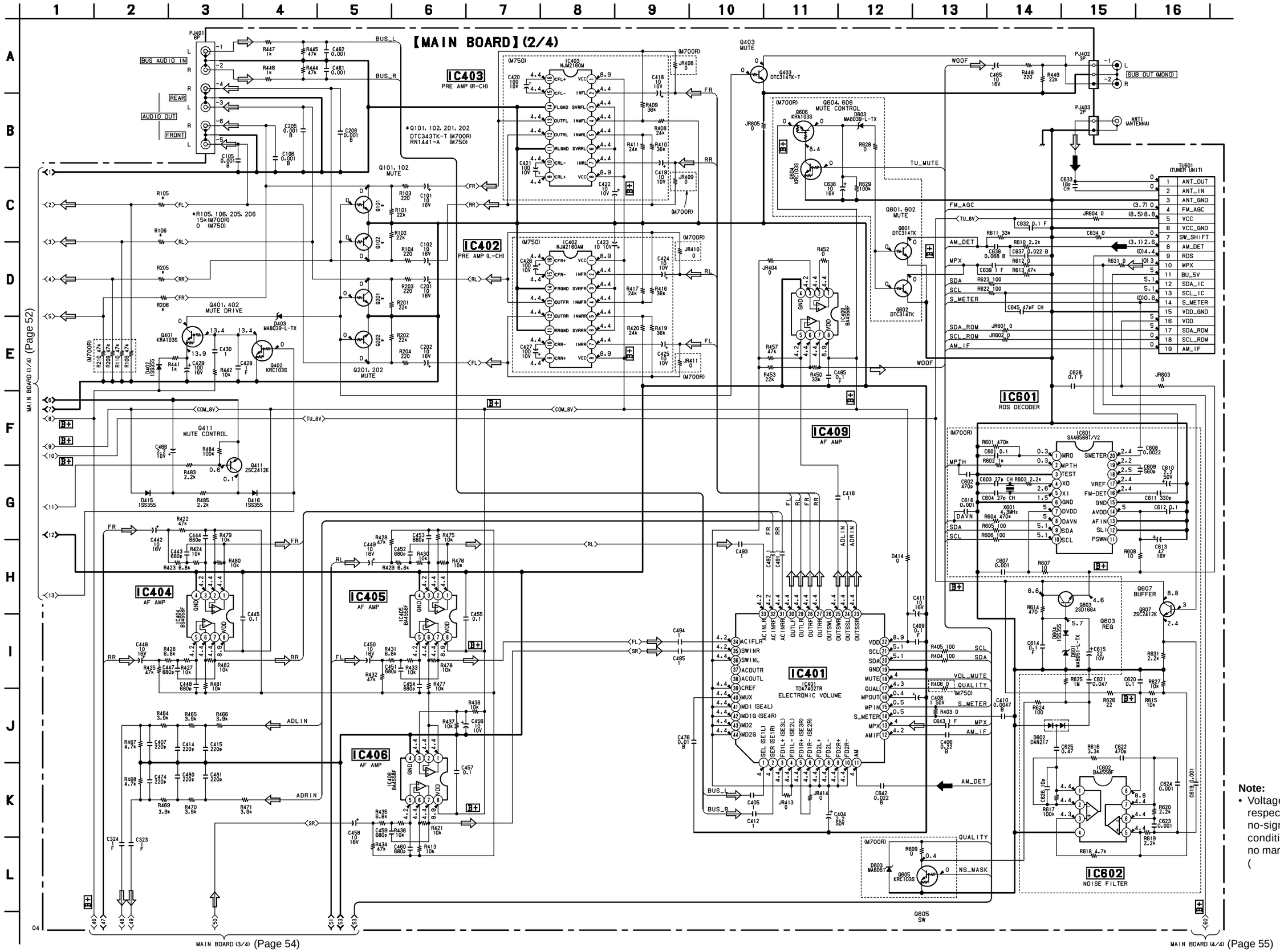


4-10. SCHEMATIC DIAGRAM — MAIN SECTION (1/4) — • Refer to page 60 for IC Block Diagrams.



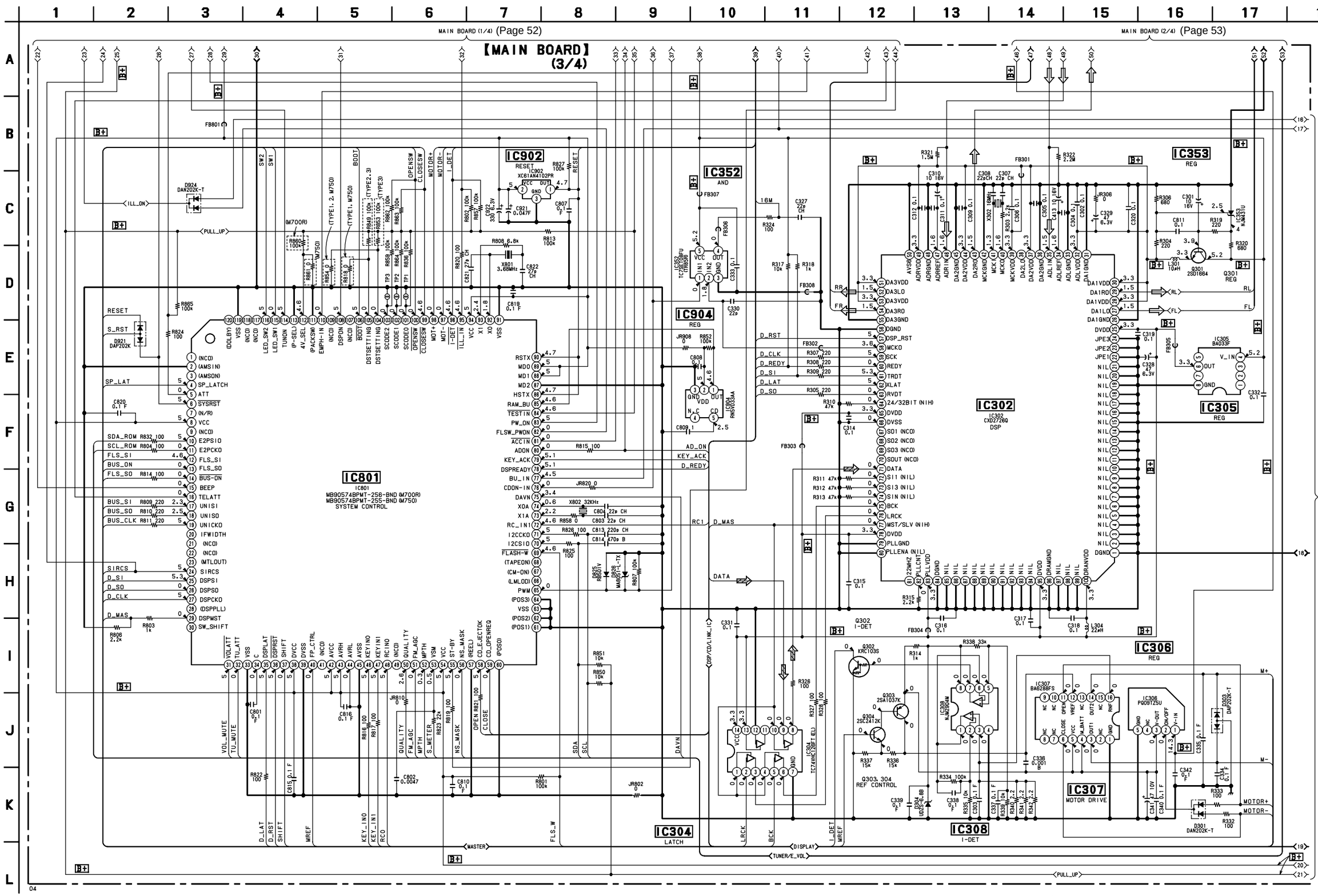
Note:
- Voltage is dc with respect to ground under no-signal (detuned) condition.
  no mark : FM
  < > : CD PLAY

4-11. SCHEMATIC DIAGRAM — MAIN SECTION (2/4) — • Refer to page 60 for IC Block Diagrams.



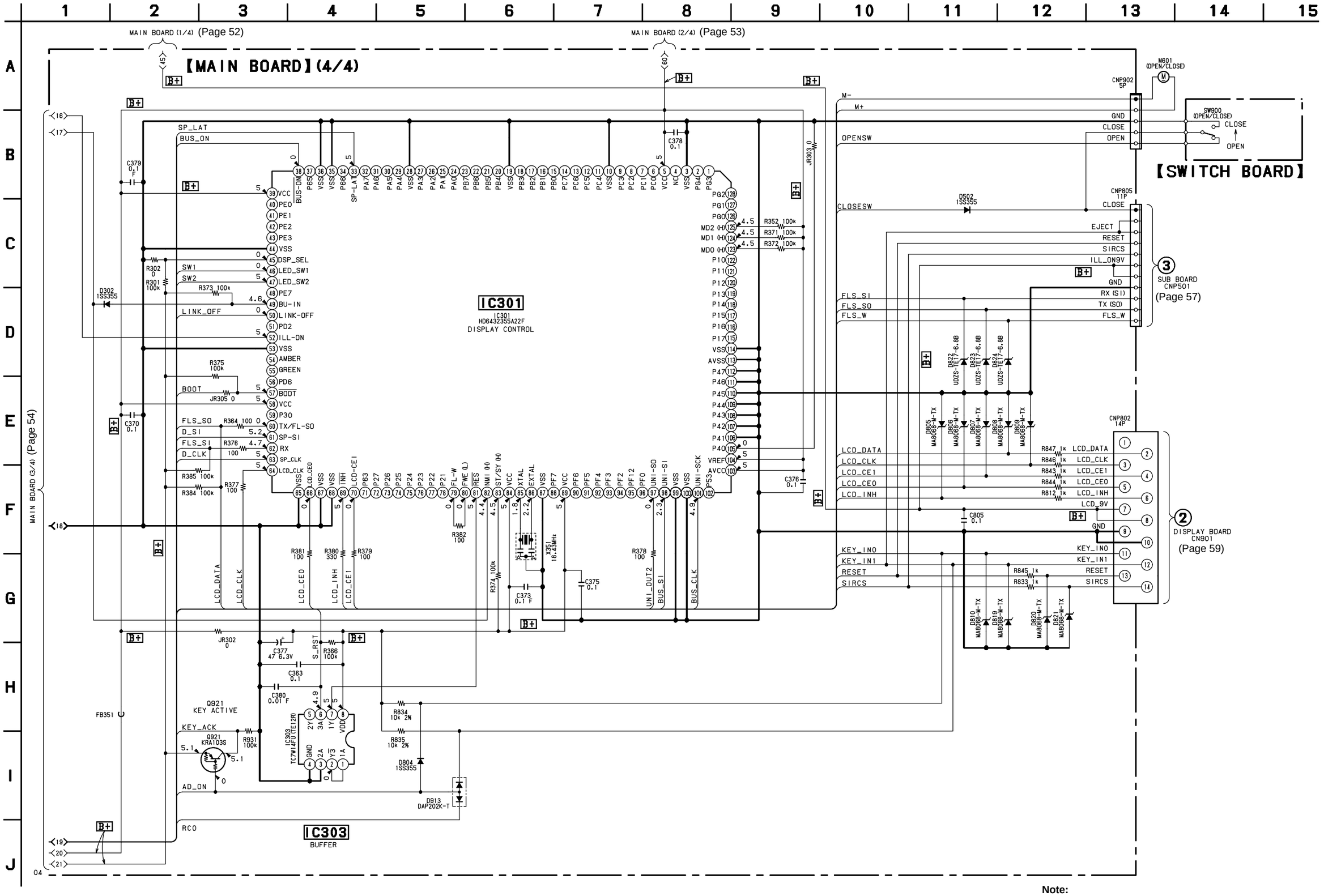
Note:
- Voltage is dc with respect to ground under no-signal (detuned) condition.
  no mark : FM
  ( ) : AM/MW

4-12. SCHEMATIC DIAGRAM — MAIN SECTION (3/4) — • Refer to page 60 for IC Block Diagrams.



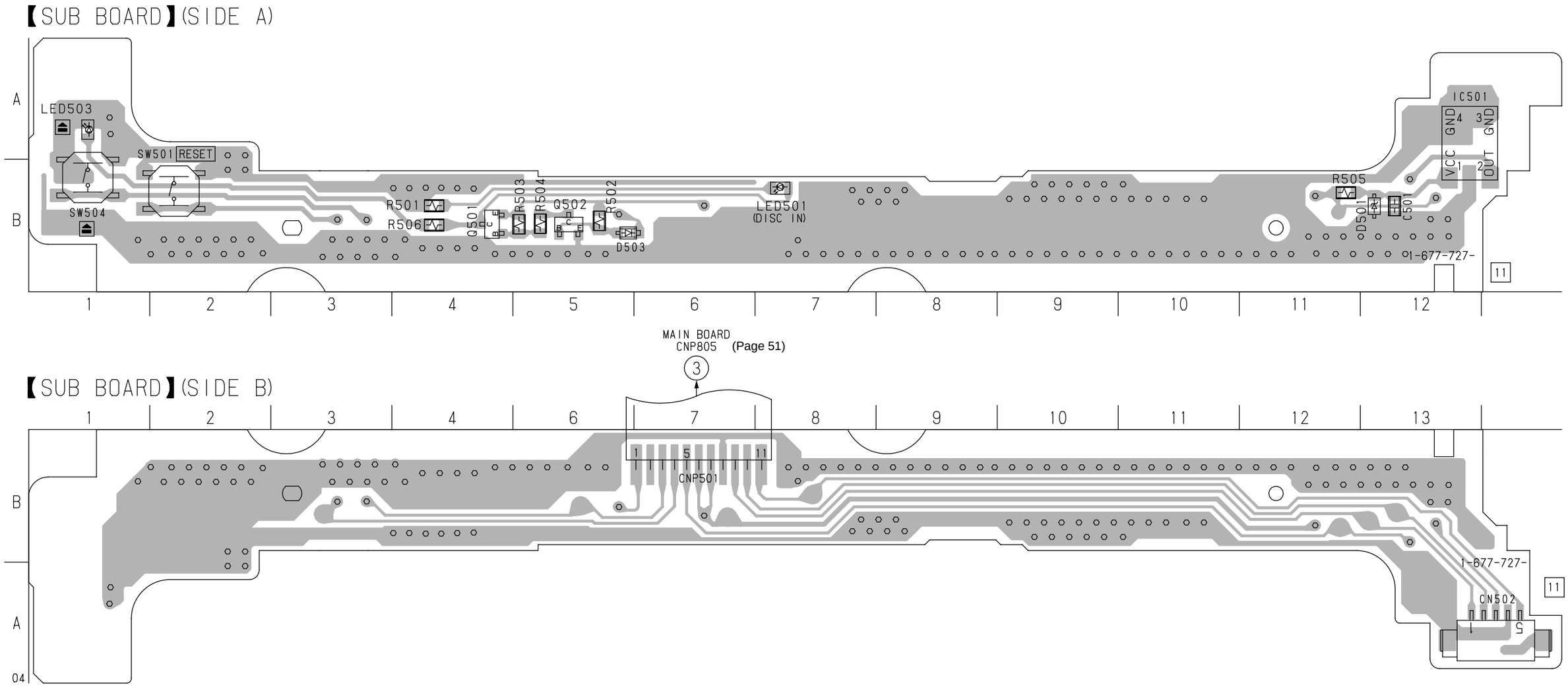
Note:
- Voltage is dc with respect to ground under no-signal (detuned) condition.
  no mark : FM

4-13. SCHEMATIC DIAGRAM — MAIN SECTION (4/4) — • Refer to page 60 for IC Block Diagrams.

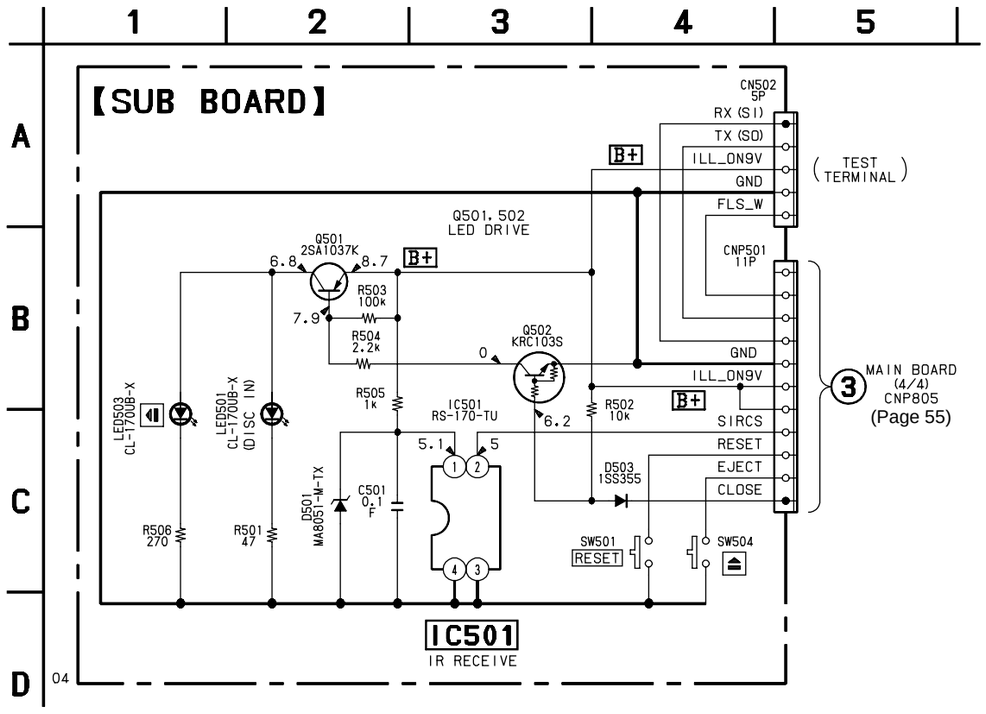


Note:
- Voltage is dc with respect to ground under no-signal (detuned) condition.
  no mark : FM

4-14. PRINTED WIRING BOARD — SUB SECTION —



4-15. SCHEMATIC DIAGRAM — SUB SECTION —

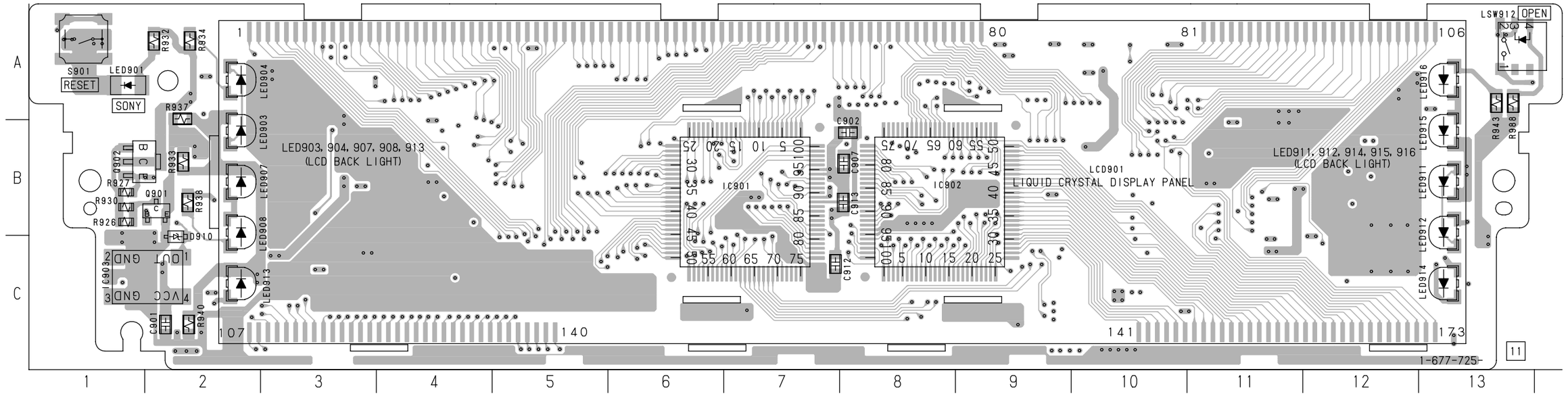


Note:

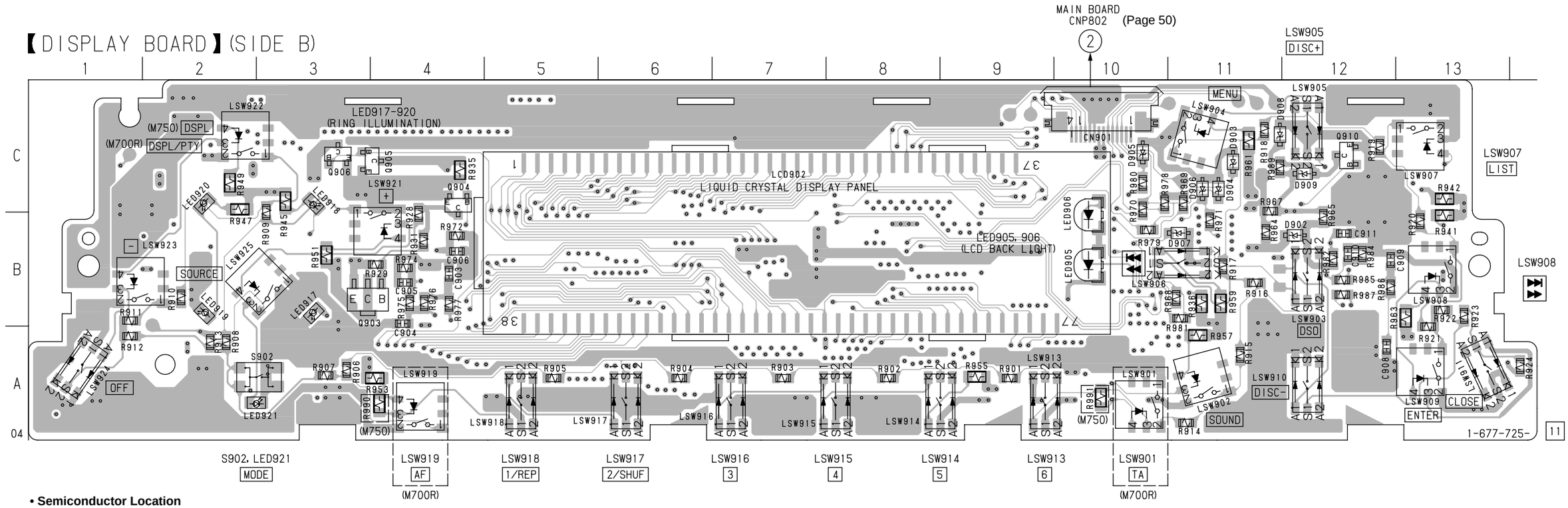
- Voltage is dc with respect to ground under no-signal (detuned) condition.
  no mark : FM

4-16. PRINTED WIRING BOARD — DISPLAY SECTION —

【DISPLAY BOARD】(SIDE A)



【DISPLAY BOARD】(SIDE B)



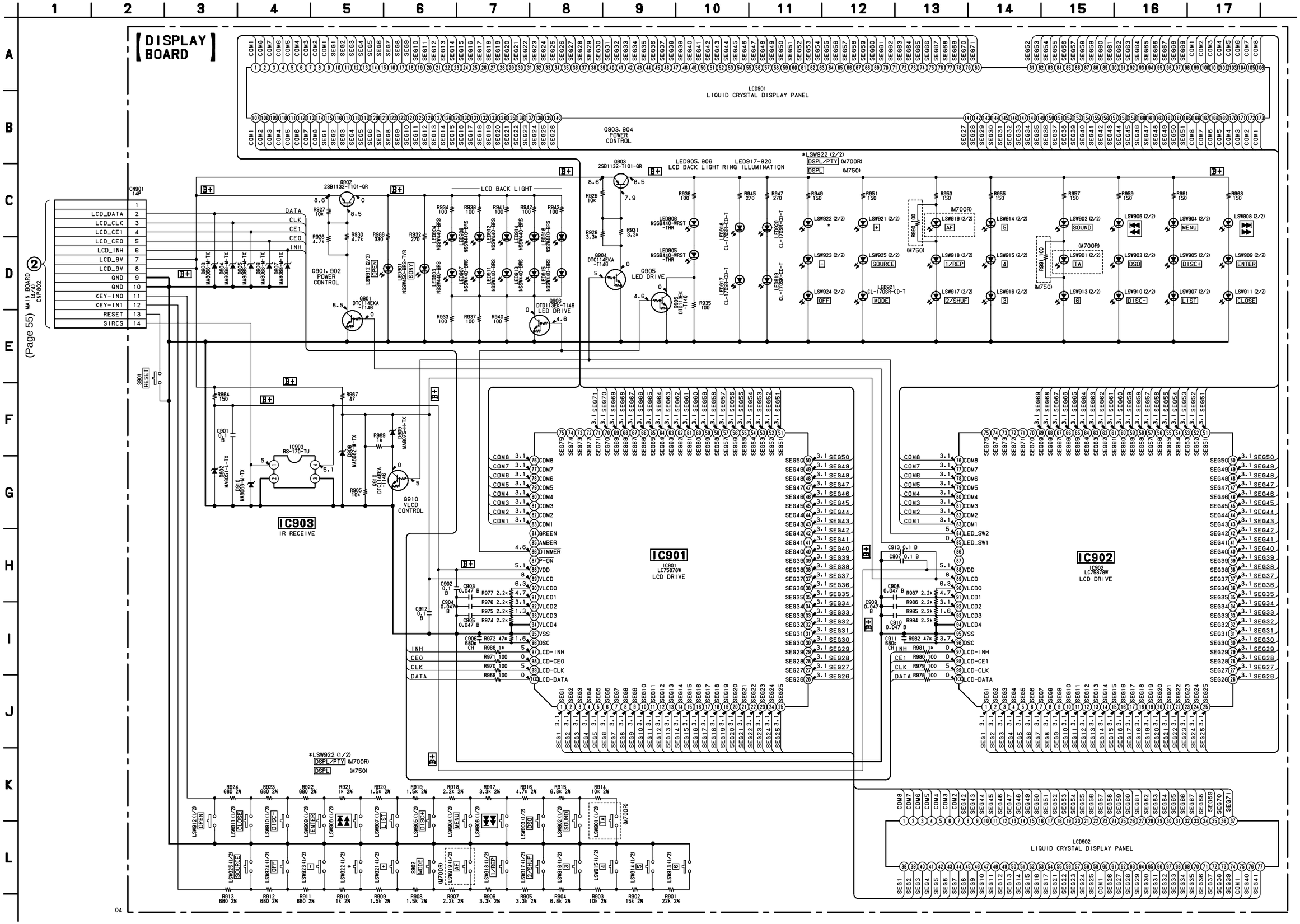
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
(D902)	B-12	IC902	B-8	LED912	B-13	Q901	B-2
(D903)	C-11	IC903	C-1	LED913	C-2	Q902	B-2
(D904)	C-11			LED914	C-13	(Q903)	B-4
(D905)	C-10	LED901	A-1	LED915	B-13	(Q904)	C-4
(D906)	C-11	LED903	B-2	LED916	A-13	(Q905)	C-4
(D907)	B-11	LED904	A-2	(LED917)	B-3	(Q906)	C-3
(D908)	C-11	(LED905)	B-10	(LED918)	C-3	(Q910)	C-12
(D909)	C-12	(LED906)	B-10	(LED919)	B-2		
D910	B-2	LED907	B-2	(LED920)	C-2		
		LED908	B-2	(LED921)	A-3		
IC901	B-7	LED911	B-13				

( ) : SIDE B

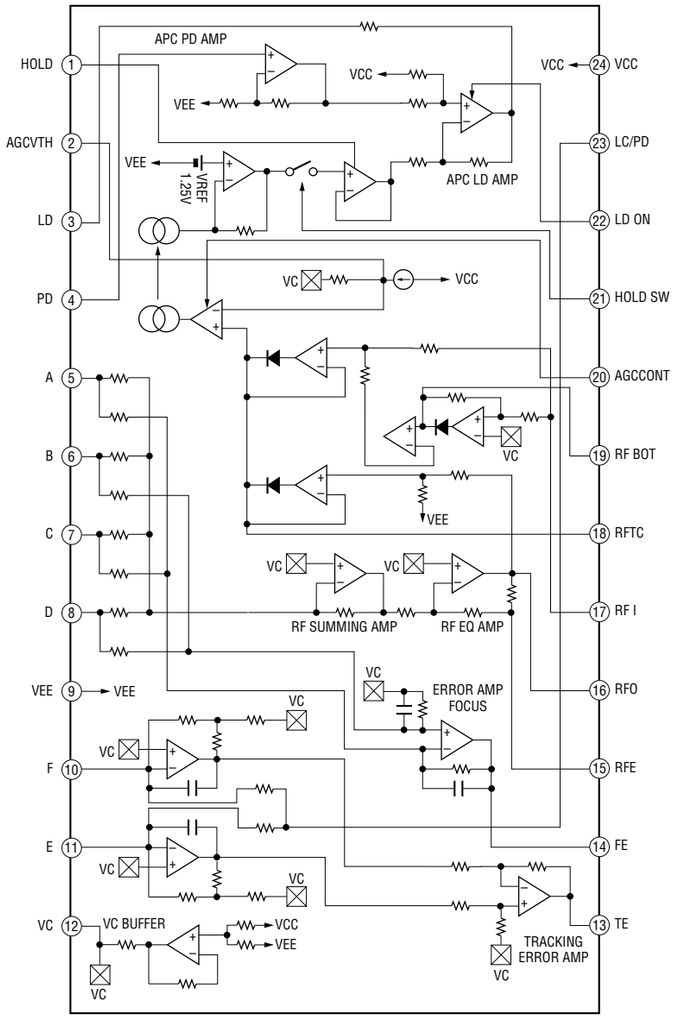
Note on Schematic Diagram:
- Voltage is dc with respect to ground under no-signal (detuned) condition.
  no mark : FM

4-17. SCHEMATIC DIAGRAM — DISPLAY SECTION —

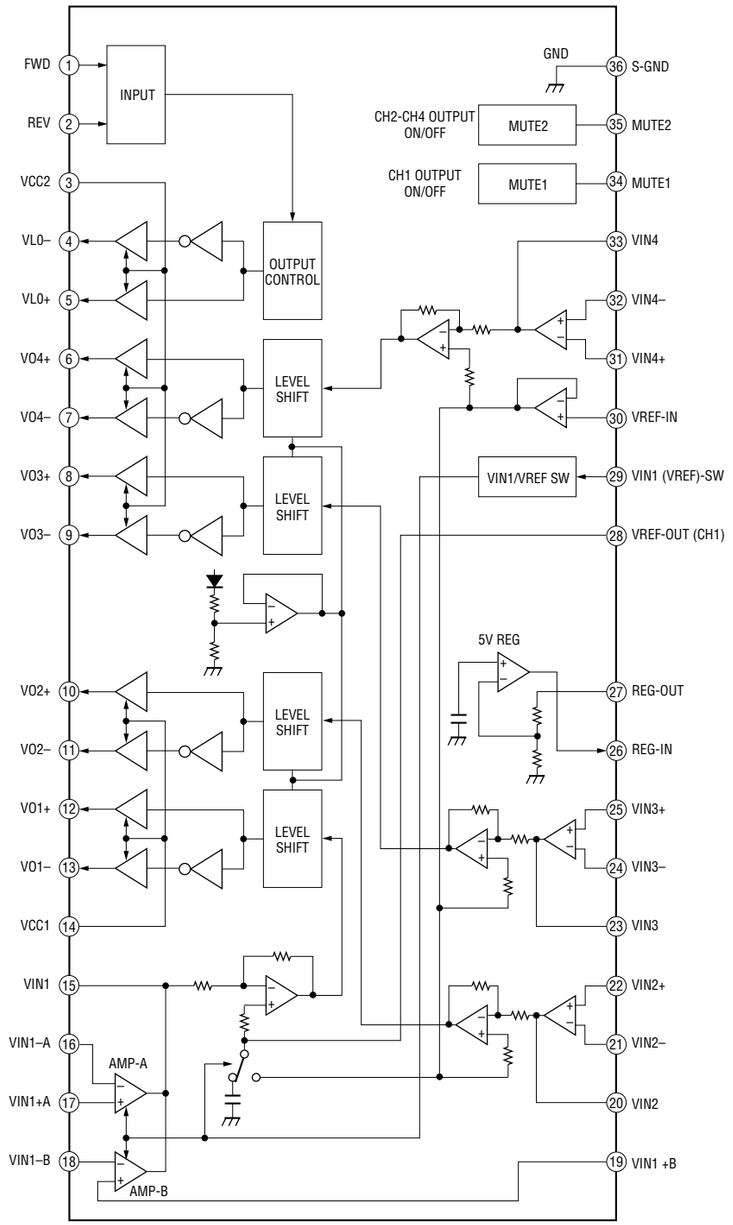


• IC Block Diagrams

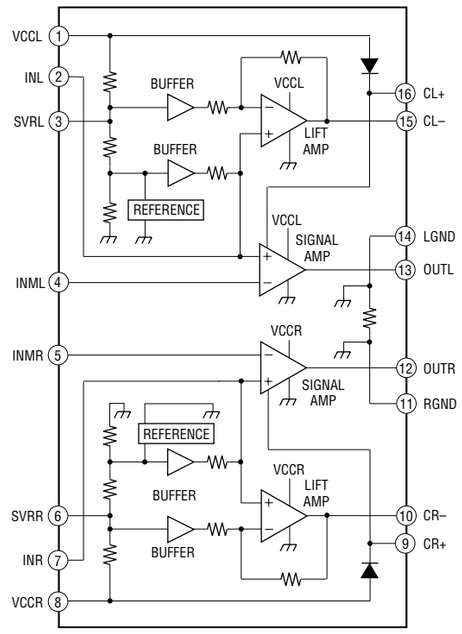
IC1 CXA2596M



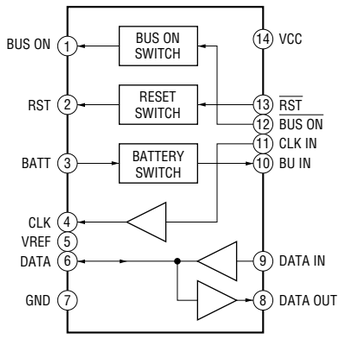
IC7 LA6556L



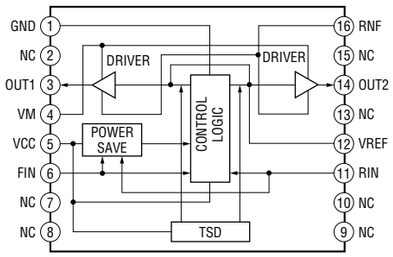
IC402, 403 NJM2160AM-TE2



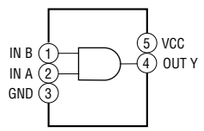
IC802 BA8270F-E2



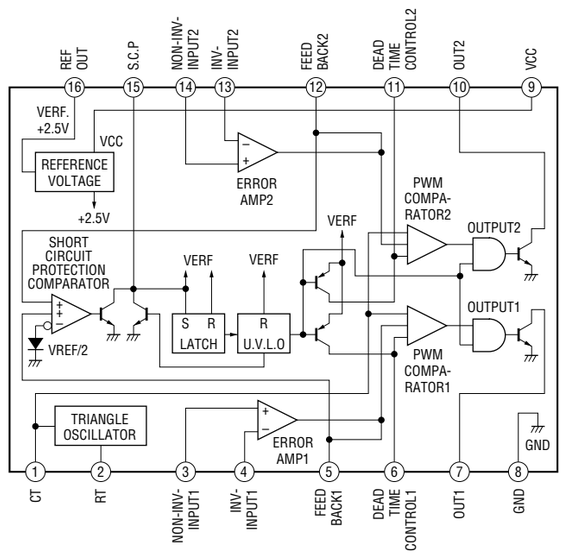
IC307 BA6288FS-E2



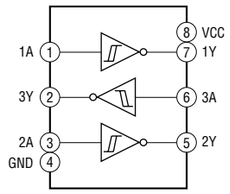
IC352 TC7SET08FU (TE85R)



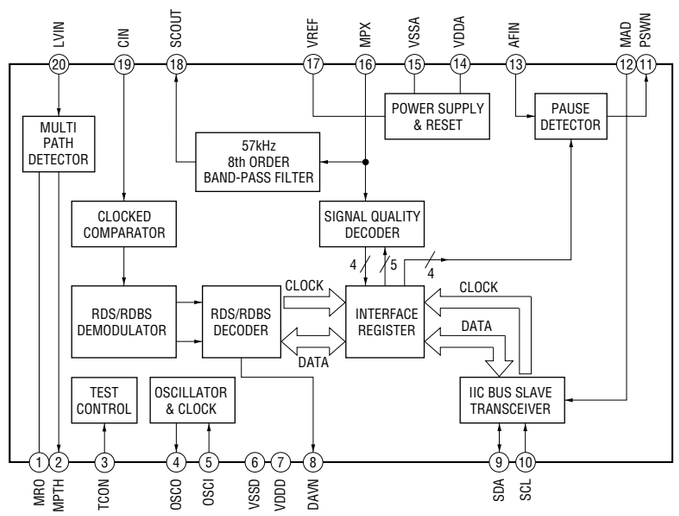
IC901 TL1451ACDB-E20



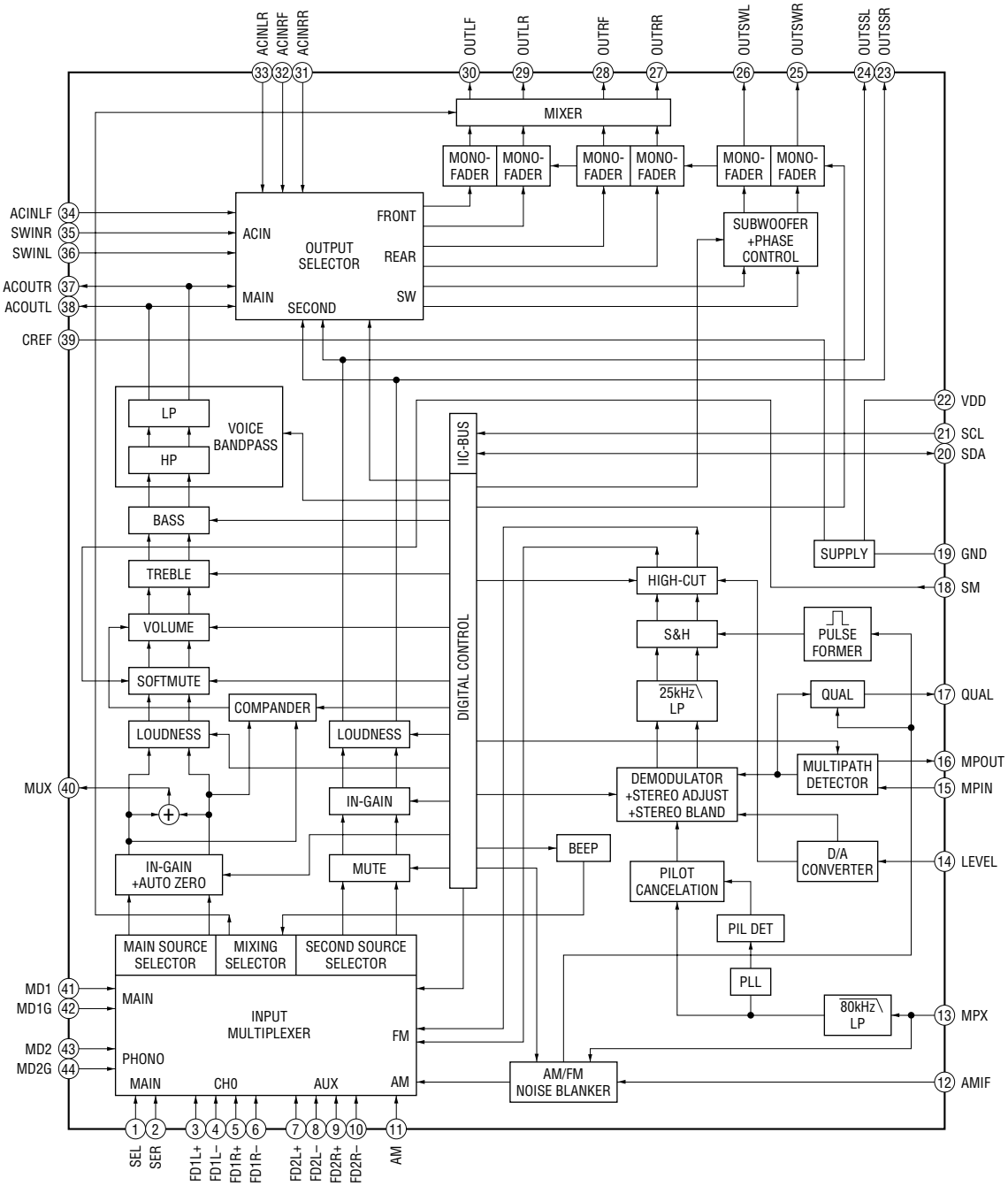
IC303 TC7W14FU (TE12R)



IC601 SAA6588T-V2-118



IC401 TDA7402TR

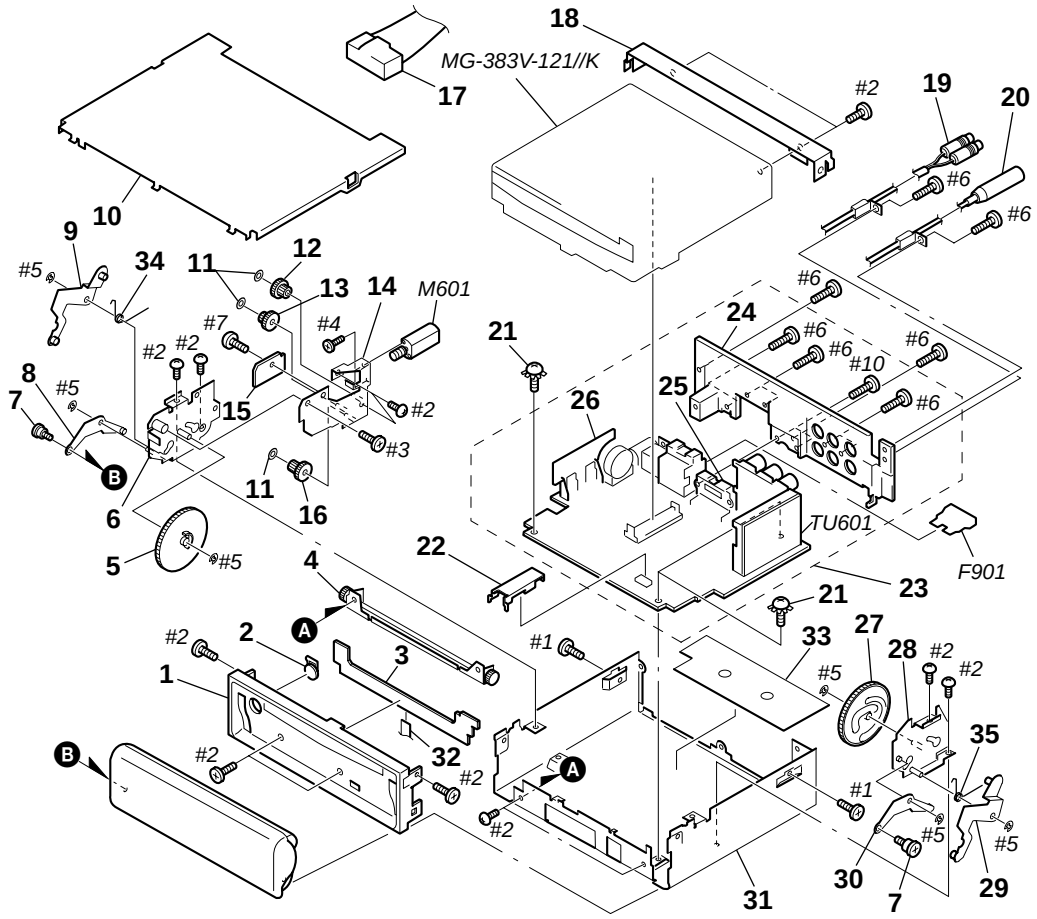


SECTION 5
EXPLODED VIEWS

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Accessories and packing materials and hardware (# mark) list are given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

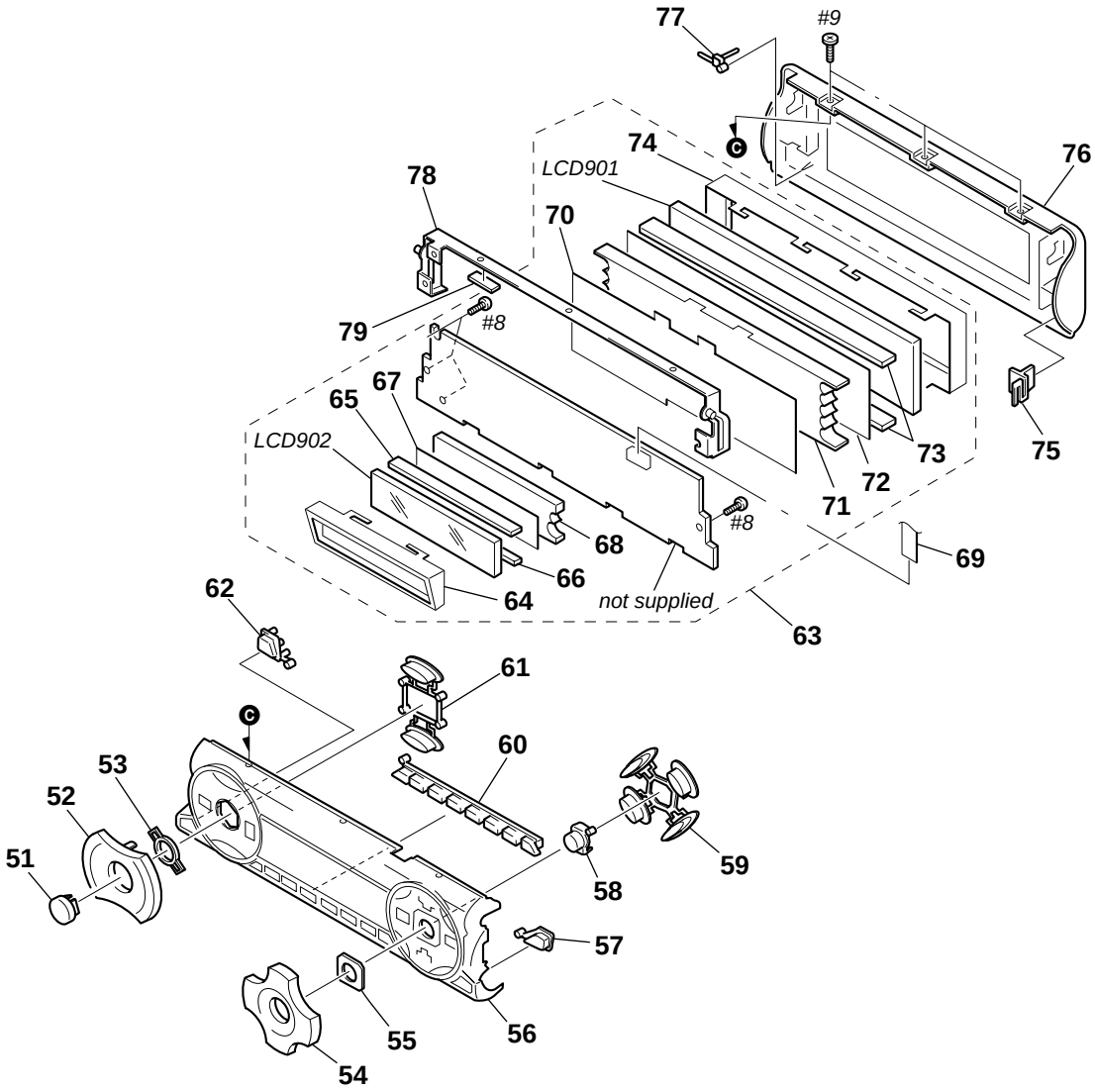
5-1. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
1	X-3378-721-1	PANEL (CD) SUB ASSY, SUB (M750)	
1	X-3378-723-1	PANEL (CD) SUB ASSY, SUB (M700R)	
2	3-044-478-01	BUTTON (EJECT)	
* 3	1-677-727-11	SUB BOARD	
4	A-3315-066-A	SHAFT ASSY, DRIVE	
5	3-045-722-01	CAM (L)	
* 6	X-3378-713-1	BRACKET (L) ASSY	
7	3-045-756-01	SCREW (PANEL)	
8	X-3378-717-1	ARM (B-L) ASSY	
9	X-3378-715-1	ARM (A-L) ASSY	
* 10	3-041-156-11	COVER	
11	3-342-940-01	WASHER (M)	
12	3-045-713-01	GEAR (A)	
13	3-045-714-01	GEAR (B)	
* 14	X-3378-711-1	BRACKET (MOTOR) ASSY	
15	A-3326-298-A	SWITCH BOARD, COMPLETE	
16	3-045-715-01	GEAR (C)	
17	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)	(M700R)
17	1-792-194-11	CORD (WITH CONNECTOR) (POWER) (M750)	
* 18	3-045-743-01	BRACKET (CD)	
19	1-790-375-11	CORD (WITH CONNECTOR) (SUB OUT)	
20	1-777-246-21	CORD (WITH CONNECTOR) (ANT)	

Ref. No.	Part No.	Description	Remark
21	3-376-464-11	SCREW (+PTT 2.6X6), GROUND POINT	
* 22	3-045-762-01	COVER (FLEXIBLE)	
* 23	A-3294-893-A	MAIN BOARD, COMPLETE (M750)	
* 23	A-3294-898-A	MAIN BOARD, COMPLETE (M700R:TYPE1)	
* 23	A-3294-899-A	MAIN BOARD, COMPLETE (M700R:TYPE2)	
* 23	A-3294-900-A	MAIN BOARD, COMPLETE (M700R:TYPE3)	
* 24	3-044-471-01	HEAT SINK	
* 25	3-019-565-01	BRACKET (IC)	
* 26	3-045-760-01	HEAT SINK (REG)	
27	3-045-723-01	CAM (R)	
* 28	X-3378-714-1	BRACKET (R) ASSY	
29	X-3378-716-1	ARM (A-R) ASSY	
30	X-3378-718-1	ARM (B-R) ASSY	
* 31	3-044-472-01	CHASSIS (CD)	
32	1-783-268-11	CABLE, FLAT	
* 33	3-049-689-01	SHEET, INSULATING	
34	3-048-645-01	SPRING (ARM L)	
35	3-048-644-01	SPRING (ARM R)	
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
M601	X-3378-769-1	MOTOR ASSY (OPEN/CLOSE)	
TU601	A-3220-738-A	TUNER UNIT (TUX-020)	

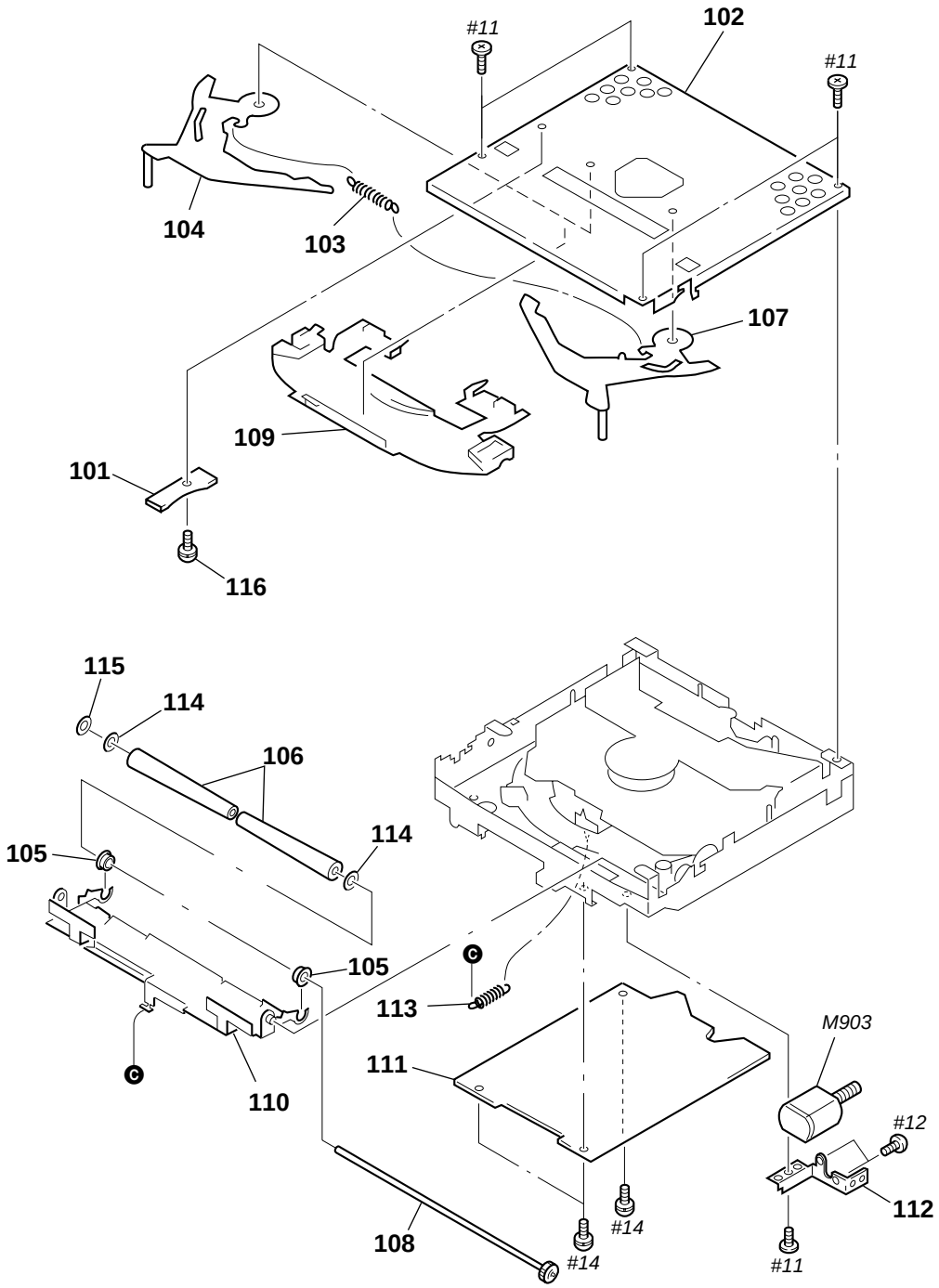
5-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	3-045-726-01	BUTTON (SOURCE)	
52	3-045-725-01	BUTTON (+/–)	
53	3-045-727-01	PLATE (RING), LIGHT GUIDE	
54	3-045-730-01	BUTTON (SEEK) (DSO)	
55	3-045-734-01	CUSHION (SEEK)	
56	3-044-469-21	PANEL (SUB), FRONT (M750)	
56	3-044-469-31	PANEL (SUB), FRONT (M700R)	
57	3-045-733-01	BUTTON (CLOSE)	
58	3-045-732-11	BUTTON (DSO)	
59	3-045-731-01	BUTTON (ENTER)	
60	3-045-724-01	BUTTON (6 KEY) (M750)	
60	3-045-724-11	BUTTON (6 KEY) (M700R)	
61	3-045-728-01	BUTTON (MODE)	
62	3-045-729-01	BUTTON (OFF)	
* 63	A-3294-884-A	DISPLAY BOARD, COMPLETE (M750)	
* 63	A-3294-895-A	DISPLAY BOARD, COMPLETE (M700R)	
* 64	3-045-706-01	BRACKET (LCD) (SUB)	

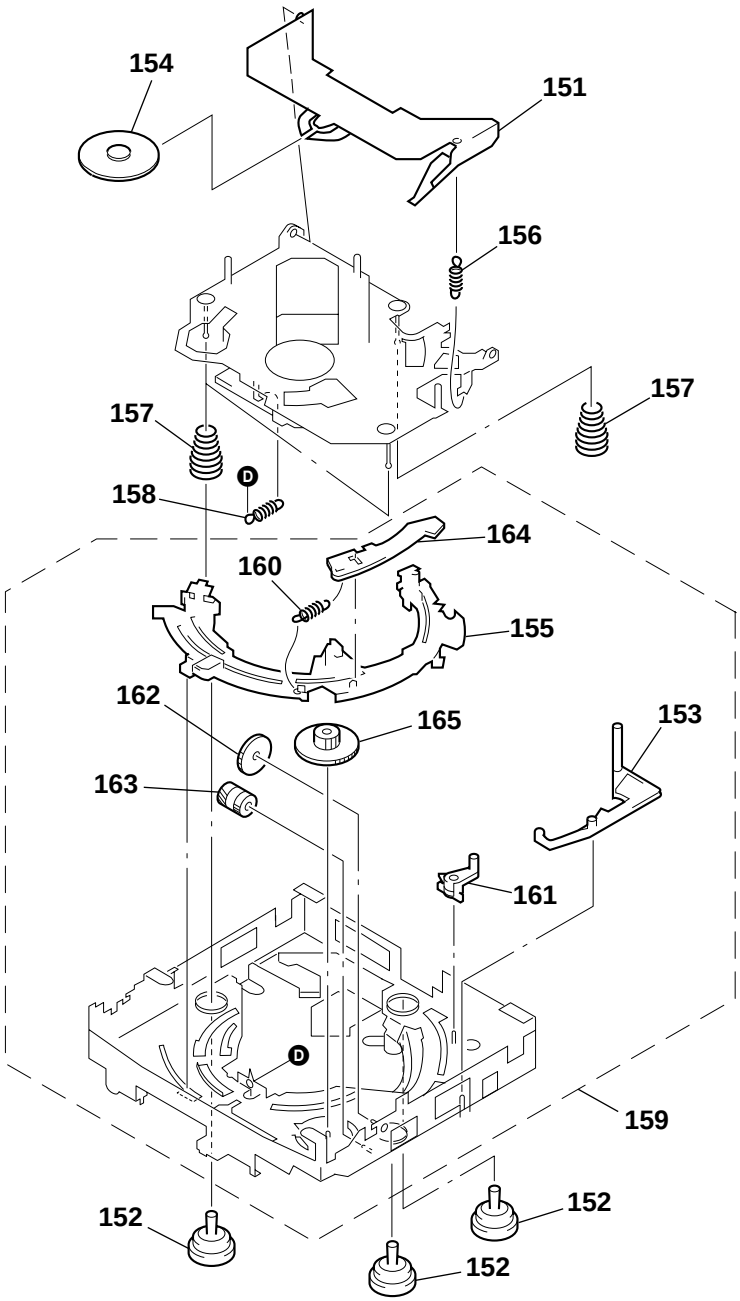
Ref. No.	Part No.	Description	Remark
65	1-694-687-11	CONDUCTIVE BOARD, CONNECTION	
66	1-694-686-11	CONDUCTIVE BOARD, CONNECTION	
* 67	3-045-708-01	SHEET (SUB), DIFFUSION	
* 68	3-045-707-01	PLATE (LCD) SUB, LIGHT GUIDE	
69	1-677-340-11	FLEXIBLE BOARD	
* 70	3-045-705-01	SHEET (MAIN), REFLECTION	
* 71	3-045-703-01	PLATE (LCD) (MAIN),LIGHT GUIDE	
* 72	3-045-704-01	SHEET (MAIN), DIFFUSION	
73	1-694-685-11	CONDUCTIVE BOARD, CONNECTION	
* 74	3-045-702-01	BRACKET (LCD) (MAIN)	
75	3-045-735-01	BUTTON (OPEN)	
76	X-3378-768-1	PANEL (MAIN) ASSY, FRONT	
77	3-045-781-01	BUTTON (RESET) (MAIN)	
* 78	X-3378-710-1	BRACKET (PANEL) ASSY	
* 79	3-049-532-01	CUSHION (PANEL)	
LCD901	1-803-913-11	DISPLAY PANEL, LIQUID CRYSTAL	
LCD902	1-803-914-11	DISPLAY PANEL, LIQUID CRYSTAL	

5-3. CD MECHANISM SECTION (1)
(MG-383V-121//K)



Ref. No.	Part No.	Description	Remark
* 101	1-676-709-11	DISC IN SW BOARD	
102	3-040-039-01	CHASSIS (T)	
103	3-040-038-01	SPRING (LR), TENSION	
104	3-040-050-01	LEVER (L)	
105	3-040-022-01	RETAINER (RA), SHAFT	
106	3-040-044-01	ROLLER (S)	
107	3-040-067-01	LEVER (R)	
108	A-3301-980-A	SHAFT ROLLER ASSY	
109	3-040-037-01	GUIDE (DISC)	
110	3-040-040-01	ARM (ROLLER)	
* 111	A-3294-808-A	SERVO BOARD, COMPLETE	
* 112	3-040-048-01	BRACKET (MOTOR)	
113	3-040-034-01	SPRING (RA), TENSION	
114	3-040-042-01	WASHER	
115	3-043-880-01	RING (RA), RETAINING	
116	3-044-206-11	SCREW, SPECIAL	
M903	A-3315-039-A	MOTOR SUB ASSY, LO (LOADING)	

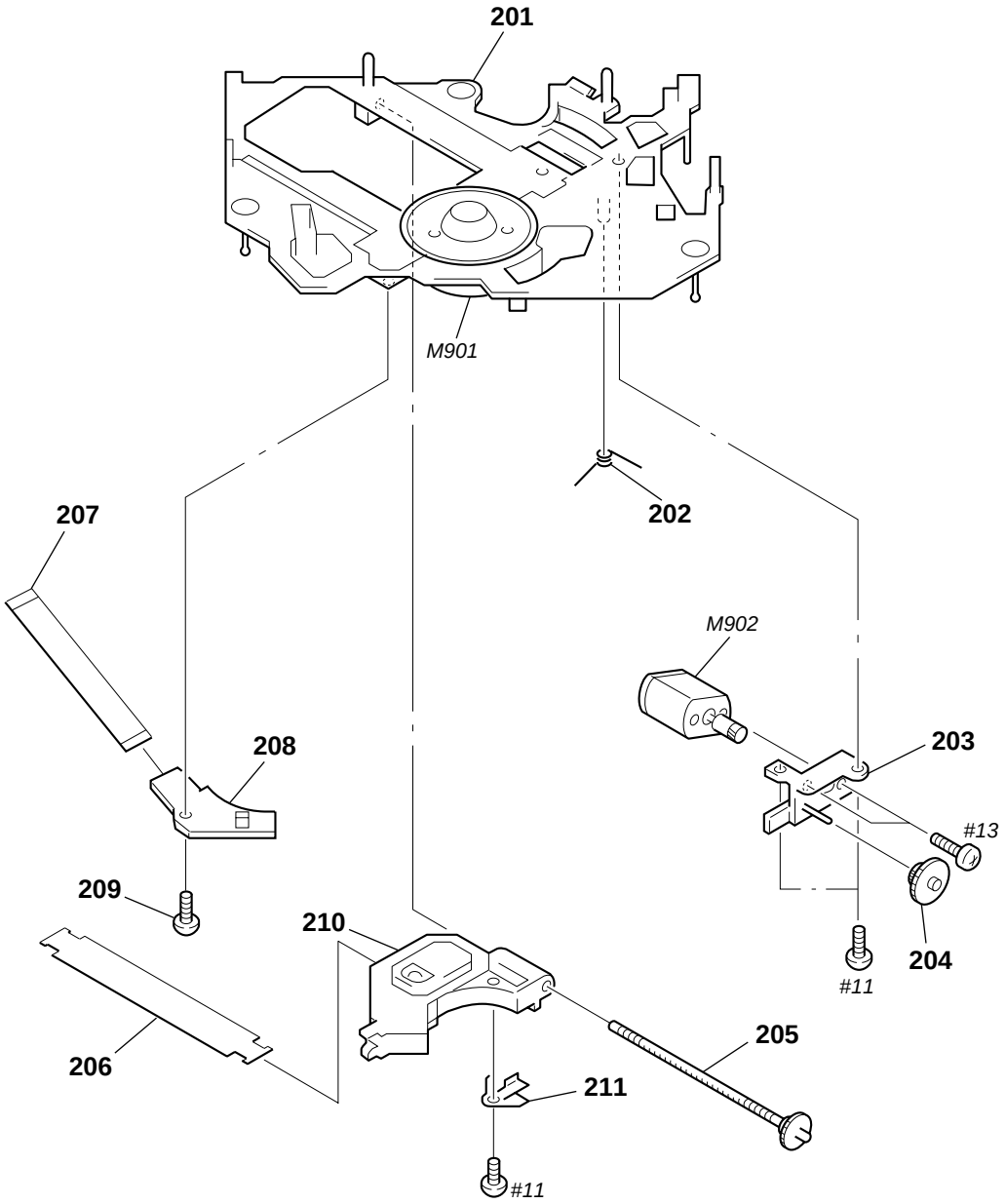
5-4. CD MECHANISM SECTION (2)
(MG-383V-121//K)



Ref. No.	Part No.	Description	Remark
151	3-040-025-01	ARM, CHUCKING	
152	3-040-031-01	DAMPER (T)	
153	3-040-056-01	LEVER (D)	
154	3-040-024-01	RETAINER (DISC)	
155	3-040-053-01	RING, LOADING	
156	3-040-026-01	SPRING (CH), TENSION	
157	3-040-032-01	SPRING (FL), COMPRESSION	
158	3-040-033-01	SPRING (KF1), TENSION	

Ref. No.	Part No.	Description	Remark
159	A-3307-422-A	CHASSIS (M) COMPLETE ASSY	
160	3-040-059-01	SPRING (TR), TENSION	
161	3-040-057-01	LEVER (LOCK)	
162	3-040-058-01	GEAR (MDL)	
163	3-040-052-01	WHEEL (U), WORM	
164	3-040-051-01	LEVER (TR)	
165	3-040-054-01	WHEEL (LW), WORM	

5-5. CD MECHANISM SECTION (3)
(MG-383V-121//K)



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
* 201	X-3378-480-1	CHASSIS (OP) ASSY (INCLUDING M901)	
202	3-040-029-01	SPRING (SL), TORSION	
203	3-040-045-01	BASE (DRIVING)	
204	3-040-194-01	GEAR (SL MIDWAY)	
205	A-3301-983-A	SHAFT (FEED) ASSY	
206	1-676-707-11	PICK-UP FLEXIBLE BOARD	
207	1-677-182-11	MOTOR FLEXIBLE BOARD	
* 208	1-676-708-11	LIMIT SW BOARD	
209	3-909-607-01	SCREW	
⚠210	8-820-103-03	PICK-UP, OPTICAL KSS-720A/K1RP	
211	3-040-030-01	SPRING (FEED), PLATE	
M902	A-3301-985-A	MOTOR ASSY, SLED (SLED)	

SECTION 6
ELECTRICAL PARTS LIST

DISC IN SW **DISPLAY**

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : µ, for example:
  uA.. : µA.. uPA.. : µPA..
  uPB.. : µPB.. uPC.. : µPC.. uPD.. : µPD..
- CAPACITORS
  uF : µF
- COILS
  uH : µH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
*	1-676-709-11	DISC IN SW BOARD			
		**********			
		< SWITCH >			
SW2	1-529-566-21	SWITCH, PUSH (1 KEY) (SELF)			
SW3	1-529-566-21	SWITCH, PUSH (1 KEY) (DISC IN)			
**********					
*	A-3294-884-A	DISPLAY BOARD, COMPLETE (M750)			
*	A-3294-895-A	DISPLAY BOARD, COMPLETE (M700R)			
		**********			
	1-694-685-11	CONDUCTIVE BOARD, CONNECTION			
	1-694-686-11	CONDUCTIVE BOARD, CONNECTION			
	1-694-687-11	CONDUCTIVE BOARD, CONNECTION			
*	3-045-702-01	BRACKET (LCD) (MAIN)			
*	3-045-703-01	PLATE (LCD) (MAIN),LIGHT GUIDE			
*	3-045-704-01	SHEET (MAIN), DIFFUSION			
*	3-045-705-01	SHEET (MAIN), REFLECTION			
*	3-045-706-01	BRACKET (LCD) (SUB)			
*	3-045-707-01	PLATE (LCD) SUB, LIGHT GUIDE			
*	3-045-708-01	SHEET (SUB), DIFFUSION			
		< CAPACITOR >			
C901	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C902	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C903	1-165-176-11	CERAMIC CHIP	0.047uF	10% 16V	
C904	1-165-176-11	CERAMIC CHIP	0.047uF	10% 16V	
C905	1-165-176-11	CERAMIC CHIP	0.047uF	10% 16V	
C906	1-115-412-11	CERAMIC CHIP	680PF	5% 25V	
C907	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C908	1-165-176-11	CERAMIC CHIP	0.047uF	10% 16V	
C909	1-165-176-11	CERAMIC CHIP	0.047uF	10% 16V	
C910	1-165-176-11	CERAMIC CHIP	0.047uF	10% 16V	
C911	1-115-412-11	CERAMIC CHIP	680PF	5% 25V	
C912	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C913	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
		< CONNECTOR >			
CN901	1-794-184-21	CONNECTOR, FPC 14P			
		< DIODE >			
D902	8-719-422-41	DIODE MA8051-L-TX			
D903	8-719-977-12	DIODE MA8068-M-TX			
D904	8-719-977-12	DIODE MA8068-M-TX			
D905	8-719-977-12	DIODE MA8068-M-TX			

Ref. No.	Part No.	Description	Remark
D906	8-719-977-12	DIODE MA8068-M-TX	
D907	8-719-977-12	DIODE MA8068-M-TX	
D908	8-719-420-14	DIODE MA8082-M(TX)	
D909	8-719-422-80	DIODE MA8075-H-TX	
D910	8-719-977-12	DIODE MA8068-M-TX	
		< IC >	
IC901	8-759-653-26	IC LC75878W	
IC902	8-759-653-26	IC LC75878W	
IC903	8-749-012-25	IC RS-170-TU	
		< LIQUID CRYSTAL DISPLAY >	
LCD901	1-803-913-11	DISPLAY PANEL, LIQUID CRYSTAL	
LCD902	1-803-914-11	DISPLAY PANEL, LIQUID CRYSTAL	
		< DIODE >	
LED901	8-719-079-49	LED NSSW450-BRS-TVR (SONY)	
LED903	8-719-076-58	LED NSSW440-BRS (LCD BACK LIGHT)	
LED904	8-719-076-58	LED NSSW440-BRS (LCD BACK LIGHT)	
LED905	8-719-079-26	LED NSSB440-WRST-THR (LCD BACK LIGHT)	
LED906	8-719-079-26	LED NSSB440-WRST-THR (LCD BACK LIGHT)	
LED907	8-719-076-58	LED NSSW440-BRS (LCD BACK LIGHT)	
LED908	8-719-076-58	LED NSSW440-BRS (LCD BACK LIGHT)	
LED911	8-719-076-58	LED NSSW440-BRS (LCD BACK LIGHT)	
LED912	8-719-076-58	LED NSSW440-BRS (LCD BACK LIGHT)	
LED913	8-719-076-58	LED NSSW440-BRS (LCD BACK LIGHT)	
LED914	8-719-076-58	LED NSSW440-BRS (LCD BACK LIGHT)	
LED915	8-719-076-58	LED NSSW440-BRS (LCD BACK LIGHT)	
LED916	8-719-076-58	LED NSSW440-BRS (LCD BACK LIGHT)	
LED917	8-719-078-39	LED CL-170SR-CD-T (RING ILLUMINATION)	
LED918	8-719-078-39	LED CL-170SR-CD-T (RING ILLUMINATION)	
LED919	8-719-078-39	LED CL-170SR-CD-T (RING ILLUMINATION)	
LED920	8-719-078-39	LED CL-170SR-CD-T (RING ILLUMINATION)	
LED921	8-719-078-39	LED CL-170SR-CD-T (MODE)	
		< SWITCH >	
LSW901	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (TA)	(M700R)
LSW902	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (SOUND)	
LSW903	1-771-883-11	SWITCH, TACTILE (WITH LED) (DSO)	
LSW904	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (MENU)	
LSW905	1-771-883-11	SWITCH, TACTILE (WITH LED) (DISC+)	
LSW906	1-771-883-11	SWITCH, TACTILE (WITH LED) (⏮ ◀◀)	
LSW907	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (LIST)	
LSW908	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (▶▶⏭ ▶▶)	

DISPLAY

Ref. No.	Part No.	Description	Remark
LSW909	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (ENTER)	
LSW910	1-771-883-11	SWITCH, TACTILE (WITH LED) (DISC–)	
LSW911	1-771-883-11	SWITCH, TACTILE (WITH LED) (CLOSE)	
LSW912	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (OPEN)	
LSW913	1-771-883-11	SWITCH, TACTILE (WITH LED) (6)	
LSW914	1-771-883-11	SWITCH, TACTILE (WITH LED) (5)	
LSW915	1-771-883-11	SWITCH, TACTILE (WITH LED) (4)	
LSW916	1-771-883-11	SWITCH, TACTILE (WITH LED) (3)	
LSW917	1-771-883-11	SWITCH, TACTILE (WITH LED) (2/SHUF)	
LSW918	1-771-883-11	SWITCH, TACTILE (WITH LED) (1/REP)	
LSW919	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (AF)	(M700R)
LSW921	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (+)	
LSW922	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (DSPL/PTY)	
LSW923	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (–)	
LSW924	1-771-883-11	SWITCH, TACTILE (WITH LED) (OFF)	
LSW925	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (SOURCE)	
		< TRANSISTOR >	
Q901	8-729-900-53	TRANSISTOR DTC114EKA-T146	
Q902	8-729-106-60	TRANSISTOR 2SB1132-T101-QR	
Q903	8-729-106-60	TRANSISTOR 2SB1132-T101-QR	
Q904	8-729-900-53	TRANSISTOR DTC114EKA-T146	
Q905	8-729-904-66	TRANSISTOR DTD113EK-T-146	
Q906	8-729-904-66	TRANSISTOR DTD113EK-T-146	
Q910	8-729-900-53	TRANSISTOR DTC114EKA-T146	
		< RESISTOR >	

Ref. No.	Part No.	Description			Remark
R901	1-218-879-11	RES-CHIP	22K	2%	1/16W
R902	1-218-875-11	RES-CHIP	15K	2%	1/16W
R903	1-218-871-11	RES-CHIP	10K	2%	1/16W
R904	1-218-867-11	RES-CHIP	6.8K	2%	1/16W
R905	1-218-859-11	RES-CHIP	3.3K	2%	1/16W
R906	1-218-859-11	RES-CHIP	3.3K	2%	1/16W
R907	1-218-855-11	RES-CHIP	2.2K	2%	1/16W
R908	1-218-851-11	RES-CHIP	1.5K	2%	1/16W
R909	1-218-851-11	RES-CHIP	1.5K	2%	1/16W
R910	1-218-847-11	RES-CHIP	1K	2%	1/16W
R911	1-219-286-11	RES-CHIP	680	2%	1/16W
R912	1-219-286-11	RES-CHIP	680	2%	1/16W
R913	1-219-286-11	RES-CHIP	680	2%	1/16W
R914	1-218-871-11	RES-CHIP	10K	2%	1/16W
R915	1-218-867-11	RES-CHIP	6.8K	2%	1/16W
R916	1-218-863-11	RES-CHIP	4.7K	2%	1/16W
R917	1-218-859-11	RES-CHIP	3.3K	2%	1/16W
R918	1-218-855-11	RES-CHIP	2.2K	2%	1/16W
R919	1-218-851-11	RES-CHIP	1.5K	2%	1/16W
R920	1-218-851-11	RES-CHIP	1.5K	2%	1/16W
R921	1-218-847-11	RES-CHIP	1K	2%	1/16W
R922	1-219-286-11	RES-CHIP	680	2%	1/16W
R923	1-219-286-11	RES-CHIP	680	2%	1/16W
R924	1-219-286-11	RES-CHIP	680	2%	1/16W
R926	1-216-829-11	METAL CHIP	4.7K	5%	1/16W

Ref. No.	Part No.	Description			Remark
R927	1-216-833-11	RES-CHIP	10K	5%	1/16W
R928	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R929	1-216-833-11	RES-CHIP	10K	5%	1/16W
R930	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R931	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R932	1-216-035-00	METAL CHIP	270	5%	1/10W
R933	1-216-025-11	RES-CHIP	100	5%	1/10W
R934	1-216-025-11	RES-CHIP	100	5%	1/10W
R935	1-216-025-11	RES-CHIP	100	5%	1/10W
R936	1-216-025-11	RES-CHIP	100	5%	1/10W
R937	1-216-025-11	RES-CHIP	100	5%	1/10W
R938	1-216-025-11	RES-CHIP	100	5%	1/10W
R940	1-216-025-11	RES-CHIP	100	5%	1/10W
R941	1-216-025-11	RES-CHIP	100	5%	1/10W
R942	1-216-025-11	RES-CHIP	100	5%	1/10W
R943	1-216-025-11	RES-CHIP	100	5%	1/10W
R945	1-216-035-00	METAL CHIP	270	5%	1/10W
R947	1-216-035-00	METAL CHIP	270	5%	1/10W
R949	1-216-029-00	METAL CHIP	150	5%	1/10W
R951	1-216-029-00	METAL CHIP	150	5%	1/10W
R953	1-216-029-00	METAL CHIP	150	5%	1/10W
R955	1-216-029-00	METAL CHIP	150	5%	1/10W
R957	1-216-029-00	METAL CHIP	150	5%	1/10W
R959	1-216-029-00	METAL CHIP	150	5%	1/10W
R961	1-216-029-00	METAL CHIP	150	5%	1/10W
R963	1-216-029-00	METAL CHIP	150	5%	1/10W
R964	1-216-811-11	METAL CHIP	150	5%	1/16W
R965	1-216-833-11	RES-CHIP	10K	5%	1/16W
R967	1-216-805-11	METAL CHIP	47	5%	1/16W
R968	1-216-821-11	METAL CHIP	1K	5%	1/16W
R969	1-216-809-11	METAL CHIP	100	5%	1/16W
R970	1-216-809-11	METAL CHIP	100	5%	1/16W
R971	1-216-809-11	METAL CHIP	100	5%	1/16W
R972	1-216-841-11	METAL CHIP	47K	5%	1/16W
R974	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R975	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R976	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R977	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R978	1-216-809-11	METAL CHIP	100	5%	1/16W
R979	1-216-809-11	METAL CHIP	100	5%	1/16W
R980	1-216-809-11	METAL CHIP	100	5%	1/16W
R981	1-216-821-11	METAL CHIP	1K	5%	1/16W
R982	1-216-841-11	METAL CHIP	47K	5%	1/16W
R984	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R985	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R986	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R987	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R988	1-216-037-00	METAL CHIP	330	5%	1/10W
R989	1-216-821-11	METAL CHIP	1K	5%	1/16W
R990	1-216-025-11	RES-CHIP	100	5%	1/10W (M750)
R991	1-216-025-11	RES-CHIP	100	5%	1/10W (M750)

Ref. No.	Part No.	Description			Remark
		< SWITCH >			
S901	1-771-027-21	SWITCH, KEY BOARD (WITH LED) (RESET)			
S902	1-771-884-11	SWITCH, TACTILE (WITH LED) (MODE)			
**********					
*	1-676-708-11	LIMIT SW BOARD			
		**********			
		< CONNECTOR >			
CN13	1-770-347-21	CONNECTOR, FPC 6P			
		< SWITCH >			
SW4	1-529-565-11	SWITCH, PUSH (1 KEY) (LIMIT)			
**********					
*	A-3294-893-A	MAIN BOARD, COMPLETE (M750)			
*	A-3294-898-A	MAIN BOARD, COMPLETE (M700R:TYPE1)			
*	A-3294-899-A	MAIN BOARD, COMPLETE (M700R:TYPE2)			
*	A-3294-900-A	MAIN BOARD, COMPLETE (M700R:TYPE3)			
		**********			
*	3-019-565-01	BRACKET (IC)			
*	3-044-471-01	HEAT SINK			
*	3-045-760-01	HEAT SINK (REG)			
	7-685-793-09	SCREW +PTT 2.6X8 (S)			
	7-685-795-09	SCREW +PTT 2.6X12 (S)			
		< BUZZER >			
BZ801	1-504-920-11	BUZZER			
		< CAPACITOR >			
C101	1-124-233-11	ELECT	10uF	20%	16V
C102	1-124-233-11	ELECT	10uF	20%	16V
C103	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C104	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C105	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C106	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C201	1-124-233-11	ELECT	10uF	20%	16V
C202	1-124-233-11	ELECT	10uF	20%	16V
C203	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C204	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C205	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C206	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C301	1-124-233-11	ELECT	10uF	20%	16V
C302	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C303	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C304	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C305	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C306	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C307	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C308	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C309	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C310	1-124-233-11	ELECT	10uF	20%	16V
C311	1-163-038-00	CERAMIC CHIP	0.1uF		25V

Ref. No.	Part No.	Description			Remark
C312	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C314	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C315	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C316	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C317	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C318	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C319	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C320	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C323	1-164-346-11	CERAMIC CHIP	1uF		16V
C324	1-164-346-11	CERAMIC CHIP	1uF		16V
C327	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C328	1-110-569-11	TANTAL. CHIP	47uF	20%	6.3V
C329	1-110-569-11	TANTAL. CHIP	47uF	20%	6.3V
C330	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C331	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C332	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C333	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C334	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C335	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C336	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C337	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C338	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C339	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C340	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C341	1-124-589-11	ELECT	47uF	20%	16V
C342	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C363	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C370	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C373	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C375	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C376	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C377	1-124-589-11	ELECT	47uF	20%	16V
C378	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C379	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C380	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C404	1-124-257-00	ELECT	2.2uF	20%	50V
C405	1-164-346-11	CERAMIC CHIP	1uF		16V
C406	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C407	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C408	1-126-160-11	ELECT	1uF	20%	50V
C409	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C410	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C411	1-124-233-11	ELECT	10uF	20%	16V
C412	1-164-346-11	CERAMIC CHIP	1uF		16V
C413	1-124-233-11	ELECT	10uF	20%	16V
C414	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C415	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C416	1-164-346-11	CERAMIC CHIP	1uF		16V
C418	1-124-261-00	ELECT	10uF	20%	50V (M750)
C419	1-124-261-00	ELECT	10uF	20%	50V (M750)

MAIN

Ref. No.	Part No.	Description			Remark
C420	1-124-584-00	ELECT	100uF	20%	10V (M750)
C421	1-124-584-00	ELECT	100uF	20%	10V (M750)
C422	1-124-261-00	ELECT	10uF	20%	50V (M750)
C423	1-124-261-00	ELECT	10uF	20%	50V (M750)
C424	1-124-261-00	ELECT	10uF	20%	50V (M750)
C425	1-124-261-00	ELECT	10uF	20%	50V (M750)
C426	1-124-584-00	ELECT	100uF	20%	10V (M750)
C427	1-124-584-00	ELECT	100uF	20%	10V (M750)
C428	1-164-346-11	CERAMIC CHIP	1uF		16V
C429	1-126-382-11	ELECT	100uF	20%	16V
C430	1-164-346-11	CERAMIC CHIP	1uF		16V
C431	1-164-346-11	CERAMIC CHIP	1uF		16V
C434	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C435	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C436	1-135-473-11	ELECT	3300uF	20%	16V
C437	1-124-465-00	ELECT	0.47uF	20%	50V
C438	1-124-589-11	ELECT	47uF	20%	16V
C440	1-126-160-11	ELECT	1uF	20%	50V
C442	1-124-779-00	ELECT CHIP	10uF	20%	16V
C443	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C444	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C445	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C446	1-124-779-00	ELECT CHIP	10uF	20%	16V
C447	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C448	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C449	1-124-779-00	ELECT CHIP	10uF	20%	16V
C450	1-124-779-00	ELECT CHIP	10uF	20%	16V
C451	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C452	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C453	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C454	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C455	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C456	1-124-261-00	ELECT	10uF	20%	50V
C457	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C458	1-124-779-00	ELECT CHIP	10uF	20%	16V
C459	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C460	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C461	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C462	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C465	1-124-233-11	ELECT	10uF	20%	16V
C466	1-126-601-11	ELECT CHIP	2.2uF	20%	50V
C474	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C476	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C480	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C481	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C485	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C491	1-164-346-11	CERAMIC CHIP	1uF		16V
C492	1-164-346-11	CERAMIC CHIP	1uF		16V
C493	1-164-346-11	CERAMIC CHIP	1uF		16V
C494	1-164-346-11	CERAMIC CHIP	1uF		16V
C495	1-164-346-11	CERAMIC CHIP	1uF		16V
C601	1-164-156-11	CERAMIC CHIP	0.1uF		25V (M700R)
C602	1-163-133-00	CERAMIC CHIP	470PF	5%	50V (M700R)
C603	1-163-237-11	CERAMIC CHIP	27PF	5%	50V (M700R)
C604	1-163-237-11	CERAMIC CHIP	27PF	5%	50V (M700R)
C607	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (M700R)
C608	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V (M700R)
C609	1-164-739-11	CERAMIC CHIP	560PF	5%	50V (M700R)
C610	1-124-257-00	ELECT	2.2uF	20%	50V (M700R)
C611	1-162-959-11	CERAMIC CHIP	330PF	5%	50V (M700R)
C612	1-164-156-11	CERAMIC CHIP	0.1uF		25V (M700R)
C613	1-124-589-11	ELECT	47uF	20%	16V (M700R)
C614	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C615	1-124-234-00	ELECT	22uF	20%	16V
C616	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V (M700R)
C619	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (M700R)
C620	1-163-038-00	CERAMIC CHIP	0.1uF		25V (M700R)
C621	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V (M700R)
C622	1-162-962-11	CERAMIC CHIP	470PF	10%	50V (M700R)
C623	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (M700R)
C624	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (M700R)
C625	1-164-005-11	CERAMIC CHIP	0.47uF		25V (M700R)
C626	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V (M700R)
C628	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C632	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C633	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
C634	1-216-295-00	SHORT	0		
C636	1-124-233-11	ELECT	10uF	20%	16V (M700R)
C637	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C638	1-164-344-11	CERAMIC CHIP	0.068uF	10%	25V
C639	1-164-346-11	CERAMIC CHIP	1uF		16V

Ref. No.	Part No.	Description			Remark
C642	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C643	1-115-156-11	CERAMIC CHIP	1uF		10V
C645	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C701	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C702	1-124-229-00	ELECT	3.3uF	20%	6.3V
C707	1-164-346-11	CERAMIC CHIP	1uF		16V
C801	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C802	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C803	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C804	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C805	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C806	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C807	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C808	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C809	1-164-346-11	CERAMIC CHIP	1uF		16V
C810	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C811	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C812	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C813	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C814	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C815	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C816	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C817	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C819	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C820	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C821	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C822	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C901	1-126-382-11	ELECT	100uF	20%	16V
C902	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C903	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C905	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C906	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C907	1-126-160-11	ELECT	1uF	20%	50V
C908	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C909	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C910	1-164-346-11	CERAMIC CHIP	1uF		16V
C911	1-164-217-11	CERAMIC CHIP	150PF	5%	50V
C912	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C913	1-124-489-11	ELECT	150uF	20%	25V
C914	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C915	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C916	1-124-489-11	ELECT	150uF	20%	25V
C917	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C918	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C919	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C920	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C921	1-110-654-11	DOUBLE LAYERS	0.047F		5.5V
C922	1-128-057-11	ELECT	330uF	20%	6.3V
C923	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C924	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C925	1-124-489-11	ELECT	150uF	20%	25V
C926	1-124-489-11	ELECT	150uF	20%	25V
C927	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C928	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C960	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C961	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V

< CONNECTOR >

Ref. No.	Part No.	Description
CNP701	1-764-617-12	PIN, CONNECTOR (PC BOARD) 30P
CNP801	1-580-907-31	PLUG, CONNECTOR (BUS CONTROL IN)
CNP802	1-794-185-21	CONNECTOR, FPC 14P
CNP805	1-563-614-31	CONNECTOR, FLEXIBLE 11P
CNP901	1-774-701-11	PIN, CONNECTOR 16P
* CNP902	1-568-954-11	PIN, CONNECTOR 5P

< JACK >

Ref. No.	Part No.	Description
CNP803	1-566-822-41	JACK (REMOTE IN)

< DIODE >

Ref. No.	Part No.	Description
D301	8-719-914-43	DIODE DAN202K-T-146
D302	8-719-988-61	DIODE 1SS355TE-17
D303	8-719-914-44	DIODE DAP202K-T-146
D304	8-719-069-57	DIODE UDZS-TE17-6.8B
D401	8-719-914-43	DIODE DAN202K-T-146
D402	8-719-988-61	DIODE 1SS355TE-17
D403	8-719-422-16	DIODE MA8039-L-TX
D405	8-719-079-42	DIODE 1ZB22(TPA3) (M700R)
D405	8-719-200-82	DIODE 11ES2-TAB1 (M750)
D406	8-719-079-42	DIODE 1ZB22(TPA3) (M700R)
D406	8-719-200-82	DIODE 11ES2-TAB1 (M750)
D407	8-719-079-42	DIODE 1ZB22(TPA3) (M700R)
D407	8-719-200-82	DIODE 11ES2-TAB1 (M750)
D408	8-719-079-42	DIODE 1ZB22(TPA3) (M700R)
D408	8-719-200-82	DIODE 11ES2-TAB1 (M750)
D409	8-719-079-42	DIODE 1ZB22(TPA3) (M700R)
D409	8-719-200-82	DIODE 11ES2-TAB1 (M750)
D410	8-719-079-42	DIODE 1ZB22(TPA3) (M700R)
D410	8-719-200-82	DIODE 11ES2-TAB1 (M750)
D411	8-719-079-42	DIODE 1ZB22(TPA3) (M700R)
D411	8-719-200-82	DIODE 11ES2-TAB1 (M750)
D412	8-719-079-42	DIODE 1ZB22(TPA3) (M700R)
D412	8-719-200-82	DIODE 11ES2-TAB1 (M750)
D413	1-216-295-00	SHORT 0
D414	1-216-295-00	SHORT 0
D415	8-719-988-61	DIODE 1SS355TE-17
D416	8-719-988-61	DIODE 1SS355TE-17
D502	8-719-988-61	DIODE 1SS355TE-17
D601	8-719-422-41	DIODE MA8051-L-TX
D602	8-719-987-69	DIODE DAN217-T146 (M700R)
D603	8-719-422-16	DIODE MA8039-L-TX (M700R)
D604	8-719-988-61	DIODE 1SS355TE-17
D801	8-719-988-61	DIODE 1SS355TE-17
D802	8-719-988-61	DIODE 1SS355TE-17
D803	8-719-422-43	DIODE MA8051-H-TX (M700R)
D804	8-719-988-61	DIODE 1SS355TE-17

MAIN

Ref. No.	Part No.	Description	Remark
D805	8-719-977-12	DIODE MA8068-M-TX	
D806	8-719-977-12	DIODE MA8068-M-TX	
D807	8-719-977-12	DIODE MA8068-M-TX	
D808	8-719-977-12	DIODE MA8068-M-TX	
D809	8-719-977-12	DIODE MA8068-M-TX	
D810	8-719-977-12	DIODE MA8068-M-TX	
D811	8-719-977-12	DIODE MA8068-M-TX	
D812	8-719-017-94	DIODE MA8180-TX	
D813	8-719-017-94	DIODE MA8180-TX	
D814	8-719-017-94	DIODE MA8180-TX	
D815	8-719-058-24	DIODE RB501V-40TE-17	
D816	8-719-988-61	DIODE 1SS355TE-17	
D817	8-719-977-12	DIODE MA8068-M-TX	
D818	8-719-977-12	DIODE MA8068-M-TX	
D819	8-719-977-12	DIODE MA8068-M-TX	
D820	8-719-977-12	DIODE MA8068-M-TX	
D821	8-719-977-12	DIODE MA8068-M-TX	
D822	8-719-069-57	DIODE UDZS-TE17-6.8B	
D823	8-719-069-57	DIODE UDZS-TE17-6.8B	
D824	8-719-069-57	DIODE UDZS-TE17-6.8B	
D825	8-719-058-24	DIODE RB501V-40TE-17	
D826	8-719-422-41	DIODE MA8051-L-TX	
D901	8-719-049-38	DIODE 1N5404TU	
D902	8-719-055-30	DIODE D1FS4A-TA	
D903	8-719-914-43	DIODE DAN202K-T-146	
D904	8-719-977-03	DIODE MA8056-M-TX	
D905	8-719-988-61	DIODE 1SS355TE-17	
D906	8-719-200-82	DIODE 11ES2-TA1B	
D907	8-719-017-94	DIODE MA8180-TX	
D908	8-719-017-94	DIODE MA8180-TX	
D909	8-719-988-61	DIODE 1SS355TE-17	
D910	8-719-977-12	DIODE MA8068-M-TX	
D912	8-719-200-82	DIODE 11ES2-TA1B	
D913	8-719-914-44	DIODE DAP202K-T-146	
D914	8-719-058-24	DIODE RB501V-40TE-17	
D915	8-719-977-12	DIODE MA8068-M-TX	
D916	8-719-055-30	DIODE D1FS4A-TA	
D917	8-719-017-94	DIODE MA8180-TX	
D918	8-719-422-64	DIODE MA8062-M-TX	
D919	8-719-200-82	DIODE 11ES2-TA1B	
D920	1-216-295-00	SHORT 0	
D921	8-719-914-44	DIODE DAP202K-T-146	
D922	8-719-988-61	DIODE 1SS355TE-17	
D923	8-719-988-61	DIODE 1SS355TE-17	
D924	8-719-914-43	DIODE DAN202K-T-146	
		< FERRITE BEAD >	
FB301	1-216-295-00	SHORT 0	
FB302	1-216-295-00	SHORT 0	
FB303	1-216-295-00	SHORT 0	
FB304	1-216-295-00	SHORT 0	
FB305	1-216-295-00	SHORT 0	
FB306	1-216-295-00	SHORT 0	
FB307	1-414-598-11	INDUCTOR, FERRITE BEAD	
FB308	1-414-598-11	INDUCTOR, FERRITE BEAD	
FB351	1-414-235-22	FERRITE BEAD INDUCTOR	
FB801	1-414-235-22	FERRITE BEAD INDUCTOR	
		< IC >	
IC301	8-759-678-51	IC HD6432355A22F	
IC302	8-752-402-48	IC CXD2726Q-4	
IC303	8-759-277-63	IC TC7W14FU(TE12R)	
IC304	8-759-524-05	IC TC74VHC126FT(EL)	
IC305	8-759-652-56	IC BA033F-E2	
IC306	8-759-182-88	IC PQ09TZ5U	
IC307	8-759-580-33	IC BA6288FS-E2	
IC308	8-759-981-69	IC NJM2904M-T1	
IC352	8-759-485-79	IC TC7SET08FU(TE85R)	
IC353	8-759-710-88	IC NJM431U-TE2	
IC401	8-759-653-27	IC TDA7402TR	
IC402	8-759-593-97	IC NJM2160AM-TE2 (M750)	
IC403	8-759-593-97	IC NJM2160AM-TE2 (M750)	
IC404	8-759-909-71	IC BA4558F-T1	
IC405	8-759-909-71	IC BA4558F-T1	
IC406	8-759-909-71	IC BA4558F-T1	
IC409	8-759-909-71	IC BA4558F-T1	
IC601	8-759-650-68	IC SAA6588T/V2-118 (M700R)	
IC602	8-759-909-71	IC BA4558F-T1 (M700R)	
IC801	8-759-668-83	IC MB90574BPMT-G-255-BND (M750)	
IC801	8-759-668-84	IC MB90574BPMT-G-256-BND (M700R)	
IC802	8-759-449-89	IC BA8270F-E2	
IC901	8-759-990-43	IC TL1451ACDB-E20	
IC902	8-759-571-49	IC XC61AN4102PR	
IC903	8-759-660-96	IC TDA7560 (M750)	
IC903	8-759-663-88	IC TA8268H (M700R)	
IC904	8-759-495-76	IC RN5VD33AA-TL	
IC905	8-759-540-27	IC TA78DL06AS	
		< JUMPER RESISTOR >	
JR302	1-216-295-00	SHORT 0	
JR303	1-216-295-00	SHORT 0	
JR305	1-216-295-00	SHORT 0	
JR306	1-216-296-00	SHORT 0	
JR404	1-216-089-00	RES-CHIP 47K 5% 1/10W	
JR408	1-216-295-00	SHORT 0	(M700R)
JR409	1-216-295-00	SHORT 0	(M700R)
JR410	1-216-295-00	SHORT 0	(M700R)
JR411	1-216-295-00	SHORT 0	(M700R)
JR413	1-216-295-00	SHORT 0	
JR414	1-216-295-00	SHORT 0	
JR601	1-216-295-00	SHORT 0	
JR602	1-216-295-00	SHORT 0	
JR603	1-216-295-00	SHORT 0	
JR604	1-216-295-00	SHORT 0	
JR605	1-216-296-00	SHORT 0	
JR704	1-216-295-00	SHORT 0	

Ref. No.	Part No.	Description			Remark
JR801	1-216-295-00	SHORT	0		
JR802	1-216-296-00	SHORT	0		
JR806	1-216-295-00	SHORT	0		
JR810	1-216-295-00	SHORT	0		
JR816	1-216-295-00	SHORT	0		
JR820	1-216-864-11	METAL CHIP	0	5%	1/16W
JR901	1-216-295-00	SHORT	0		
JR902	1-216-295-00	SHORT	0		
JR904	1-216-295-00	SHORT	0		
JR905	1-216-296-00	SHORT	0		
JR906	1-216-296-00	SHORT	0		
JR907	1-216-296-00	SHORT	0		
JR908	1-216-296-00	SHORT	0		
		< COIL >			
L301	1-410-509-11	INDUCTOR	10uH		
L304	1-412-010-41	INDUCTOR CHIP	22uH		
L701	1-412-054-21	INDUCTOR CHIP	2.2uH		
L702	1-412-054-21	INDUCTOR CHIP	2.2uH		
L703	1-412-054-21	INDUCTOR CHIP	2.2uH		
L901	1-419-476-11	COIL, CHOKE	250uH		
L902	1-419-537-11	COIL, CHOKE	330uH		
L903	1-419-537-11	COIL, CHOKE	330uH		
L904	1-412-055-11	INDUCTOR CHIP	3.3uH		
L905	1-412-055-11	INDUCTOR CHIP	3.3uH		
		< JACK >			
PJ401	1-774-700-11	JACK, PIN 6P (BUS AUDIO IN, AUDIO OUT)			
		< CONNECTOR >			
* PJ402	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P (SUB OUT (MONO))			
* PJ403	1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P			
		< TRANSISTOR >			
Q101	8-729-021-95	TRANSISTOR	RN1441-A(TE85L) (M750)		
Q101	8-729-920-31	TRANSISTOR	DTC343TK-T-146 (M700R)		
Q102	8-729-021-95	TRANSISTOR	RN1441-A(TE85L) (M750)		
Q102	8-729-920-31	TRANSISTOR	DTC343TK-T-146 (M700R)		
Q201	8-729-021-95	TRANSISTOR	RN1441-A(TE85L) (M750)		
Q201	8-729-920-31	TRANSISTOR	DTC343TK-T-146 (M700R)		
Q202	8-729-021-95	TRANSISTOR	RN1441-A(TE85L) (M750)		
Q202	8-729-920-31	TRANSISTOR	DTC343TK-T-146 (M700R)		
Q301	8-729-920-85	TRANSISTOR	2SD1664-T100-QR		
Q302	8-729-038-68	TRANSISTOR	KRC103S		
Q303	8-729-216-22	TRANSISTOR	2SA1037K-T-146-S		
Q304	8-729-120-28	TRANSISTOR	2SC2412K-T-146-R		
Q401	8-729-038-55	TRANSISTOR	KRA103S		
Q402	8-729-038-68	TRANSISTOR	KRC103S		
Q403	8-729-920-21	TRANSISTOR	DTC314TK-T-146		
Q410	8-729-144-85	FET	2SK1133-T1B		
Q411	8-729-120-28	TRANSISTOR	2SC2412K-T-146-R		

Ref. No.	Part No.	Description		Remark
Q461	8-729-049-13	TRANSISTOR	UPA1853GR-9JG-E1	
Q601	8-729-920-21	TRANSISTOR	DTC314TK-T-146 (M700R)	
Q602	8-729-920-21	TRANSISTOR	DTC314TK-T-146 (M700R)	
Q603	8-729-920-85	TRANSISTOR	2SD1664-T100-QR	
Q604	8-729-038-68	TRANSISTOR	KRC103S (M700R)	
Q605	8-729-038-68	TRANSISTOR	KRC103S (M700R)	
Q606	8-729-038-55	TRANSISTOR	KRA103S (M700R)	
Q607	8-729-120-28	TRANSISTOR	2SC2412K-T-146-R (M700R)	
Q801	8-729-038-55	TRANSISTOR	KRA103S	
Q803	8-729-038-67	TRANSISTOR	KRC102S	
Q804	8-729-038-55	TRANSISTOR	KRA103S	
Q805	8-729-120-28	TRANSISTOR	2SC2412K-T-146-R	
Q806	8-729-120-28	TRANSISTOR	2SC2412K-T-146-R	
Q807	8-729-038-55	TRANSISTOR	KRA103S	
Q901	8-729-038-68	TRANSISTOR	KRC103S	
Q902	8-729-120-28	TRANSISTOR	2SC2412K-T-146-R	
Q903	8-729-038-68	TRANSISTOR	KRC103S	
Q904	8-729-038-55	TRANSISTOR	KRA103S	
Q905	8-729-038-68	TRANSISTOR	KRC103S	
Q906	8-729-822-84	TRANSISTOR	2SB1202FAST-TL	
Q907	8-729-038-68	TRANSISTOR	KRC103S	
Q908	8-729-106-60	TRANSISTOR	2SB1132-T100-R	
Q909	1-801-806-11	TRANSISTOR	DTC144EK-T146	
Q911	8-729-822-84	TRANSISTOR	2SB1202FAST-TL	
Q912	8-729-038-68	TRANSISTOR	KRC103S	
Q913	8-729-038-55	TRANSISTOR	KRA103S	
Q914	8-729-051-70	TRANSISTOR	KTC2026	
Q915	8-729-038-68	TRANSISTOR	KRC103S	
Q916	8-729-106-60	TRANSISTOR	2SB1132-T100-R	
Q917	8-729-038-68	TRANSISTOR	KRC103S	
Q918	8-729-120-28	TRANSISTOR	2SC2412K-T-146-R	
Q919	8-729-106-60	TRANSISTOR	2SB1132-T100-R	
Q920	8-729-038-68	TRANSISTOR	KRC103S	
Q921	8-729-038-55	TRANSISTOR	KRA103S	
Q923	8-729-120-28	TRANSISTOR	2SC2412K-T-146-R	
Q924	8-729-038-68	TRANSISTOR	KRC103S	
Q925	8-729-106-60	TRANSISTOR	2SB1132-T100-R	
		< RESISTOR >		
R101	1-216-081-00	METAL CHIP	22K 5%	1/10W
R102	1-216-837-11	METAL CHIP	22K 5%	1/16W
R103	1-216-033-00	METAL CHIP	220 5%	1/10W
R104	1-216-033-00	METAL CHIP	220 5%	1/10W
R105	1-216-077-00	METAL CHIP	15K 5%	1/10W (M700R)
R105	1-216-295-00	SHORT	0	(M750)
R106	1-216-077-00	METAL CHIP	15K 5%	1/10W (M700R)
R106	1-216-295-00	SHORT	0	(M750)
R109	1-216-089-00	RES-CHIP	47K 5%	1/10W (M700R)
R110	1-216-089-00	RES-CHIP	47K 5%	1/10W (M700R)

MAIN

Ref. No.	Part No.	Description			Remark
R201	1-216-837-11	METAL CHIP	22K	5%	1/16W
R202	1-216-081-00	METAL CHIP	22K	5%	1/10W
R203	1-216-033-00	METAL CHIP	220	5%	1/10W
R204	1-216-033-00	METAL CHIP	220	5%	1/10W
R205	1-216-077-00	METAL CHIP	15K	5%	1/10W (M700R)
R205	1-216-295-00	SHORT	0		(M750)
R206	1-216-077-00	METAL CHIP	15K	5%	1/10W (M700R)
R206	1-216-295-00	SHORT	0		(M750)
R209	1-216-089-00	RES-CHIP	47K	5%	1/10W (M700R)
R210	1-216-089-00	RES-CHIP	47K	5%	1/10W (M700R)
R301	1-216-097-00	RES-CHIP	100K	5%	1/10W
R302	1-216-295-00	SHORT	0		
R303	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R304	1-216-033-00	METAL CHIP	220	5%	1/10W
R305	1-216-813-11	METAL CHIP	220	5%	1/16W
R306	1-216-045-00	METAL CHIP	680	5%	1/10W
R307	1-216-813-11	METAL CHIP	220	5%	1/16W
R308	1-216-813-11	METAL CHIP	220	5%	1/16W
R309	1-216-033-00	METAL CHIP	220	5%	1/10W
R310	1-216-841-11	METAL CHIP	47K	5%	1/16W
R311	1-216-841-11	METAL CHIP	47K	5%	1/16W
R312	1-216-841-11	METAL CHIP	47K	5%	1/16W
R313	1-216-841-11	METAL CHIP	47K	5%	1/16W
R314	1-216-821-11	METAL CHIP	1K	5%	1/16W
R315	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R317	1-216-073-00	METAL CHIP	10K	5%	1/10W
R318	1-216-049-11	RES-CHIP	1K	5%	1/10W
R319	1-216-033-00	METAL CHIP	220	5%	1/10W
R320	1-216-045-00	METAL CHIP	680	5%	1/10W
R321	1-216-859-11	RES-CHIP	1.5M	5%	1/16W
R322	1-216-861-11	METAL CHIP	2.2M	5%	1/16W
R324	1-216-809-11	METAL CHIP	100	5%	1/16W
R326	1-216-809-11	METAL CHIP	100	5%	1/16W
R327	1-216-809-11	METAL CHIP	100	5%	1/16W
R328	1-216-809-11	METAL CHIP	100	5%	1/16W
R332	1-216-809-11	METAL CHIP	100	5%	1/16W
R333	1-216-809-11	METAL CHIP	100	5%	1/16W
R334	1-216-097-11	RES-CHIP	100K	5%	1/10W
R335	1-216-073-00	METAL CHIP	10K	5%	1/10W
R336	1-216-077-11	RES-CHIP	15K	5%	1/10W
R337	1-216-077-11	RES-CHIP	15K	5%	1/10W
R338	1-216-839-11	METAL CHIP	33K	5%	1/16W
R339	1-216-073-00	METAL CHIP	10K	5%	1/10W
R340	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R341	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R342	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R352	1-216-845-11	METAL CHIP	100K	5%	1/16W
R364	1-216-025-11	RES-CHIP	100	5%	1/10W
R366	1-216-097-11	RES-CHIP	100K	5%	1/10W
R371	1-216-845-11	METAL CHIP	100K	5%	1/16W

Ref. No.	Part No.	Description			Remark
R372	1-216-845-11	METAL CHIP	100K	5%	1/16W
R373	1-216-845-11	METAL CHIP	100K	5%	1/16W
R374	1-216-845-11	METAL CHIP	100K	5%	1/16W
R375	1-216-097-11	RES-CHIP	100K	5%	1/10W
R376	1-216-025-11	RES-CHIP	100	5%	1/10W
R377	1-216-025-11	RES-CHIP	100	5%	1/10W
R378	1-216-809-11	METAL CHIP	100	5%	1/16W
R379	1-216-809-11	METAL CHIP	100	5%	1/16W
R380	1-216-815-11	METAL CHIP	330	5%	1/16W
R381	1-216-809-11	METAL CHIP	100	5%	1/16W
R382	1-216-809-11	METAL CHIP	100	5%	1/16W
R384	1-216-845-11	METAL CHIP	100K	5%	1/16W
R385	1-216-845-11	METAL CHIP	100K	5%	1/16W
R403	1-216-864-11	METAL CHIP	0	5%	1/16W
R404	1-216-025-11	RES-CHIP	100	5%	1/10W
R405	1-216-025-11	RES-CHIP	100	5%	1/10W
R406	1-216-295-00	SHORT	0		(M750)
R408	1-216-082-00	RES-CHIP	24K	5%	1/10W (M750)
R409	1-216-086-00	RES-CHIP	36K	5%	1/10W (M750)
R410	1-216-086-00	RES-CHIP	36K	5%	1/10W (M750)
R411	1-216-082-00	RES-CHIP	24K	5%	1/10W (M750)
R413	1-216-833-11	RES-CHIP	10K	5%	1/16W
R416	1-216-086-00	RES-CHIP	36K	5%	1/10W (M750)
R417	1-216-082-00	RES-CHIP	24K	5%	1/10W (M750)
R419	1-216-086-00	RES-CHIP	36K	5%	1/10W (M750)
R420	1-216-082-00	RES-CHIP	24K	5%	1/10W (M750)
R421	1-216-833-11	RES-CHIP	10K	5%	1/16W
R422	1-216-841-11	METAL CHIP	47K	5%	1/16W
R423	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R424	1-216-833-11	RES-CHIP	10K	5%	1/16W
R425	1-216-841-11	METAL CHIP	47K	5%	1/16W
R426	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R427	1-216-833-11	RES-CHIP	10K	5%	1/16W
R428	1-216-841-11	METAL CHIP	47K	5%	1/16W
R429	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R430	1-216-833-11	RES-CHIP	10K	5%	1/16W
R431	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R432	1-216-841-11	METAL CHIP	47K	5%	1/16W
R433	1-216-833-11	RES-CHIP	10K	5%	1/16W
R434	1-216-841-11	METAL CHIP	47K	5%	1/16W
R435	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R436	1-216-833-11	RES-CHIP	10K	5%	1/16W
R437	1-216-073-00	METAL CHIP	10K	5%	1/10W
R438	1-216-073-00	METAL CHIP	10K	5%	1/10W
R439	1-216-833-11	RES-CHIP	10K	5%	1/16W (M750)

Ref. No.	Part No.	Description			Remark
R439	1-216-864-11	METAL CHIP	0	5%	1/16W (M700R)
R440	1-216-833-11	RES-CHIP	10K	5%	1/16W
R441	1-216-049-11	RES-CHIP	1K	5%	1/10W
R442	1-216-073-00	METAL CHIP	10K	5%	1/10W
R444	1-216-089-11	RES-CHIP	47K	5%	1/10W
R445	1-216-089-11	RES-CHIP	47K	5%	1/10W
R446	1-216-049-11	RES-CHIP	1K	5%	1/10W
R447	1-216-049-11	RES-CHIP	1K	5%	1/10W
R448	1-216-033-00	METAL CHIP	220	5%	1/10W
R449	1-216-081-00	METAL CHIP	22K	5%	1/10W
R450	1-216-839-11	METAL CHIP	33K	5%	1/16W
R452	1-216-864-11	METAL CHIP	0	5%	1/16W
R453	1-216-081-00	METAL CHIP	22K	5%	1/10W
R456	1-216-081-00	METAL CHIP	22K	5%	1/10W (M750)
R457	1-216-089-00	METAL CHIP	47K	5%	1/10W
R464	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R465	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R466	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R467	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R468	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R469	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R470	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R471	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R475	1-216-073-00	METAL CHIP	10K	5%	1/10W
R476	1-216-833-11	RES-CHIP	10K	5%	1/16W
R477	1-216-073-00	METAL CHIP	10K	5%	1/10W
R478	1-216-833-11	RES-CHIP	10K	5%	1/16W
R479	1-216-833-11	RES-CHIP	10K	5%	1/16W
R480	1-216-833-11	RES-CHIP	10K	5%	1/16W
R481	1-216-833-11	RES-CHIP	10K	5%	1/16W
R482	1-216-833-11	RES-CHIP	10K	5%	1/16W
R483	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R484	1-216-097-11	RES-CHIP	100K	5%	1/10W
R485	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R601	1-216-853-11	METAL CHIP	470K	5%	1/16W (M700R)
R602	1-216-049-11	RES-CHIP	1K	5%	1/10W (M700R)
R603	1-216-057-00	METAL CHIP	2.2K	5%	1/10W (M700R)
R604	1-216-113-00	METAL CHIP	470K	5%	1/10W (M700R)
R605	1-216-025-11	RES-CHIP	100	5%	1/10W (M700R)
R606	1-216-025-11	RES-CHIP	100	5%	1/10W (M700R)
R607	1-216-797-11	METAL CHIP	10	5%	1/16W (M700R)
R608	1-216-797-11	METAL CHIP	10	5%	1/16W (M700R)
R609	1-216-295-00	SHORT	0		(M700R)
R610	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R611	1-216-839-11	METAL CHIP	33K	5%	1/16W
R612	1-216-295-00	SHORT	0		
R613	1-216-841-11	METAL CHIP	47K	5%	1/16W
R614	1-216-041-00	METAL CHIP	470	5%	1/10W
R615	1-216-073-00	METAL CHIP	10K	5%	1/10W (M700R)
R616	1-216-827-11	METAL CHIP	3.3K	5%	1/16W (M700R)
R617	1-216-845-11	METAL CHIP	100K	5%	1/16W (M700R)
R618	1-216-829-11	METAL CHIP	4.7K	5%	1/16W (M700R)
R619	1-216-825-11	METAL CHIP	2.2K	5%	1/16W (M700R)
R620	1-216-825-11	METAL CHIP	2.2K	5%	1/16W (M700R)
R621	1-216-295-00	SHORT	0		
R622	1-216-025-11	RES-CHIP	100	5%	1/10W
R623	1-216-025-11	RES-CHIP	100	5%	1/10W
R624	1-216-025-11	RES-CHIP	100	5%	1/10W (M700R)
R625	1-216-121-11	RES-CHIP	1M	5%	1/10W (M700R)
R626	1-216-009-11	RES-CHIP	22	5%	1/10W (M700R)
R627	1-216-073-00	METAL CHIP	10K	5%	1/10W (M700R)
R628	1-216-864-11	METAL CHIP	0	5%	1/16W (M700R)
R629	1-216-097-11	RES-CHIP	100K	5%	1/10W (M700R)
R631	1-216-825-11	METAL CHIP	2.2K	5%	1/16W (M700R)
R801	1-216-097-11	RES-CHIP	100K	5%	1/10W
R802	1-216-097-11	RES-CHIP	100K	5%	1/10W
R803	1-216-049-11	RES-CHIP	1K	5%	1/10W
R804	1-216-025-11	RES-CHIP	100	5%	1/10W
R805	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R806	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R807	1-216-845-11	METAL CHIP	100K	5%	1/16W
R808	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R809	1-216-813-11	METAL CHIP	220	5%	1/16W
R810	1-216-033-00	METAL CHIP	220	5%	1/10W
R811	1-216-813-11	METAL CHIP	220	5%	1/16W
R812	1-216-049-11	RES-CHIP	1K	5%	1/10W
R813	1-216-845-11	METAL CHIP	100K	5%	1/16W
R814	1-216-809-11	METAL CHIP	100	5%	1/16W
R815	1-216-809-11	METAL CHIP	100	5%	1/16W
R816	1-216-025-11	RES-CHIP	100	5%	1/10W
R817	1-216-025-11	RES-CHIP	100	5%	1/10W
R818	1-216-864-11	METAL CHIP	0	5%	1/16W (M700R:TYPE1/M750)
R819	1-216-809-11	METAL CHIP	100	5%	1/16W
R820	1-216-809-11	METAL CHIP	100	5%	1/16W
R821	1-216-809-11	METAL CHIP	100	5%	1/16W
R822	1-216-809-11	METAL CHIP	100	5%	1/16W

MAIN

Ref. No.	Part No.	Description			Remark
R823	1-216-081-00	METAL CHIP	22K	5%	1/10W
R824	1-216-025-11	RES-CHIP	100	5%	1/10W
R825	1-216-809-11	METAL CHIP	100	5%	1/16W
R826	1-216-809-11	METAL CHIP	100	5%	1/16W
R827	1-216-097-11	RES-CHIP	100K	5%	1/10W
R828	1-216-097-11	RES-CHIP	100K	5%	1/10W
R829	1-216-089-11	RES-CHIP	47K	5%	1/10W
R830	1-216-097-11	RES-CHIP	100K	5%	1/10W
R831	1-216-089-11	RES-CHIP	47K	5%	1/10W
R832	1-216-025-11	RES-CHIP	100	5%	1/10W
R833	1-216-821-11	METAL CHIP	1K	5%	1/16W
R834	1-218-871-11	RES-CHIP	10K	2%	1/16W
R835	1-218-871-11	RES-CHIP	10K	2%	1/16W
R836	1-216-845-11	METAL CHIP	100K	5%	1/16W
R837	1-216-079-00	METAL CHIP	18K	5%	1/10W
R838	1-216-809-11	METAL CHIP	100	5%	1/16W
R839	1-216-841-11	METAL CHIP	47K	5%	1/16W
R840	1-216-845-11	METAL CHIP	100K	5%	1/16W
R841	1-208-806-11	RES-CHIP	10K	1%	1/10W
R842	1-216-809-11	METAL CHIP	100	5%	1/16W
R843	1-216-821-11	METAL CHIP	1K	5%	1/16W
R844	1-216-821-11	METAL CHIP	1K	5%	1/16W
R845	1-216-821-11	METAL CHIP	1K	5%	1/16W
R846	1-216-821-11	METAL CHIP	1K	5%	1/16W
R847	1-216-049-11	RES-CHIP	1K	5%	1/10W
R848	1-216-809-11	METAL CHIP	100	5%	1/16W
R849	1-216-097-11	RES-CHIP	100K	5%	1/10W (M700R:TYPE2,3)
R850	1-216-073-00	METAL CHIP	10K	5%	1/10W
R851	1-216-073-00	METAL CHIP	10K	5%	1/10W
R852	1-216-845-11	METAL CHIP	100K	5%	1/16W
R853	1-216-845-11	METAL CHIP	100K	5%	1/16W (M700R:TYPE3)
R854	1-216-864-11	METAL CHIP	0	5%	1/16W (M700R:TYPE1,2/M750)
R855	1-216-821-11	METAL CHIP	1K	5%	1/16W
R856	1-216-815-11	METAL CHIP	330	5%	1/16W
R857	1-216-845-11	METAL CHIP	100K	5%	1/16W
R858	1-216-864-11	METAL CHIP	0	5%	1/16W
R859	1-216-845-11	METAL CHIP	100K	5%	1/16W
R860	1-216-097-11	RES-CHIP	100K	5%	1/10W (M700R)
R861	1-216-295-00	SHORT	0		(M750)
R862	1-216-845-11	METAL CHIP	100K	5%	1/16W
R863	1-216-097-11	RES-CHIP	100K	5%	1/10W
R864	1-216-845-11	METAL CHIP	100K	5%	1/16W
R865	1-216-246-00	METAL CHIP	100K	5%	1/8W
R901	1-216-835-11	METAL CHIP	15K	5%	1/16W
R902	1-216-835-11	METAL CHIP	15K	5%	1/16W
R903	1-216-841-11	METAL CHIP	47K	5%	1/16W
R904	1-216-841-11	METAL CHIP	47K	5%	1/16W
R905	1-216-089-11	RES-CHIP	47K	5%	1/10W
R906	1-216-841-11	METAL CHIP	47K	5%	1/16W
R907	1-216-089-11	RES-CHIP	47K	5%	1/10W
R908	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R909	1-216-811-11	METAL CHIP	150	5%	1/16W
R910	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R911	1-218-155-11	RES-CHIP	3.9K	1%	1/10W
R912	1-216-737-11	RES-CHIP	1K	1%	1/10W
R913	1-216-073-00	METAL CHIP	10K	5%	1/10W
R914	1-216-833-11	RES-CHIP	10K	5%	1/16W
R915	1-216-073-00	METAL CHIP	10K	5%	1/10W
R916	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R917	1-216-097-11	RES-CHIP	100K	5%	1/10W
R918	1-216-097-11	RES-CHIP	100K	5%	1/10W
R919	1-216-073-00	METAL CHIP	10K	5%	1/10W
R920	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R921	1-216-049-11	RES-CHIP	1K	5%	1/10W
R922	1-216-837-11	METAL CHIP	22K	5%	1/16W
R923	1-216-821-11	METAL CHIP	1K	5%	1/16W
R924	1-216-809-11	METAL CHIP	100	5%	1/16W
R925	1-216-839-11	METAL CHIP	33K	5%	1/16W
R926	1-216-833-11	RES-CHIP	10K	5%	1/16W
R927	1-216-833-11	RES-CHIP	10K	5%	1/16W
R928	1-216-845-11	METAL CHIP	100K	5%	1/16W
R929	1-216-837-11	METAL CHIP	22K	5%	1/16W
R930	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R931	1-216-845-11	METAL CHIP	100K	5%	1/16W
R932	1-216-841-11	METAL CHIP	47K	5%	1/16W
R933	1-216-837-11	METAL CHIP	22K	5%	1/16W
R934	1-216-841-11	METAL CHIP	47K	5%	1/16W
R935	1-216-073-00	METAL CHIP	10K	5%	1/10W
R936	1-218-754-11	RES-CHIP	120K	0.5%	1/10W
R937	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R938	1-216-097-11	RES-CHIP	100K	5%	1/10W
R939	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R940	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R943	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R944	1-216-817-11	METAL CHIP	470	5%	1/16W
R945	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R946	1-216-737-11	RES-CHIP	1K	1%	1/10W
R947	1-216-734-11	RES-CHIP	6.2K	1%	1/10W
R948	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R949	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R950	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R951	1-216-097-11	RES-CHIP	100K	5%	1/10W
R952	1-216-025-11	RES-CHIP	100	5%	1/10W
R953	1-216-097-11	RES-CHIP	100K	5%	1/10W
R954	1-216-097-11	RES-CHIP	100K	5%	1/10W
R955	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R956	1-216-025-11	RES-CHIP	100	5%	1/10W
R960	1-216-025-11	RES-CHIP	100	5%	1/10W
R961	1-216-025-11	RES-CHIP	100	5%	1/10W

< THERMISTOR (POSITIVE) >

TH801	1-801-792-21	THERMISTOR, POSITIVE
TH802	1-809-148-11	THERMISTOR PTH8L07AR2R0M1B510

Ref. No.	Part No.	Description			Remark
TH803	1-809-148-11	THERMISTOR PTH8L07AR2R0M1B510			
		< TUNER >			
TU601	A-3220-738-A	TUNER UNIT (TUX-020)			
		< VIBRATOR >			
X302	1-760-839-21	VIBRATOR, CRYSTAL (16MHz)			
X351	1-781-822-21	VIBRATOR, CERAMIC (18.43MHz)			
X601	1-760-556-31	VIBRATOR, CRYSTAL (4.3MHz) (M700R)			
X801	1-767-833-21	VIBRATOR, CERAMIC (3.68MHz)			
X802	1-567-098-41	VIBRATOR, CRYSTAL (32kHz)			
**********					
*	A-3294-808-A	SERVO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C101	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C103	1-104-609-11	ELECT CHIP	100uF	20%	4V
C104	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C106	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C107	1-115-156-11	CERAMIC CHIP	1uF		10V
C108	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C109	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C111	1-104-852-11	TANTAL. CHIP	22uF	20%	10V
C115	1-164-733-11	CERAMIC CHIP	820PF	10%	50V
C116	1-165-128-11	CERAMIC CHIP	0.22uF		16V
C117	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C118	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C127	1-104-851-11	TANTAL. CHIP	10uF	20%	10V
C301	1-126-393-11	ELECT CHIP	33uF	20%	10V
C302	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C303	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C304	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C305	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C306	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C307	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C308	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C309	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C310	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C311	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C312	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C501	1-126-391-11	ELECT CHIP	47uF	20%	6.3V
C502	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C504	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C505	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C506	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C507	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C508	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C509	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C514	1-104-852-11	TANTAL. CHIP	22uF	20%	10V
C515	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C516	1-162-974-11	CERAMIC CHIP	0.01uF		50V

Ref. No.	Part No.	Description			Remark
C517	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C518	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C519	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C520	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C521	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C522	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C550	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C553	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C554	1-164-360-11	CERAMIC CHIP	0.1uF		16V
		< CONNECTOR >			
CN1	1-764-616-12	HOUSING, CONNECTOR (PC BOARD) 30P			
CN2	1-794-153-21	CONNECTOR, FPC (ZIF) 16P			
CN3	1-770-347-21	CONNECTOR, FPC 6P			
		< FERRITE BEAD >			
FB101	1-216-295-00	SHORT	0		
FB102	1-216-295-00	SHORT	0		
FB103	1-216-295-00	SHORT	0		
FB501	1-216-295-00	SHORT	0		
FB503	1-500-445-21	FERRITE BEAD INDUCTOR			
		< IC >			
IC1	8-752-095-36	IC XA2596M-T6			
IC5	8-752-914-87	IC XP84640-072Q			
IC7	8-759-653-67	IC A6556L-TE-L			
IC501	8-752-392-04	IC CXD2598Q			
		< JUMPER RESISTOR >			
JR502	1-216-864-11	METAL CHIP	0	5%	1/16W
JR503	1-216-864-11	METAL CHIP	0	5%	1/16W
JR504	1-216-864-11	METAL CHIP	0	5%	1/16W
JR507	1-216-295-00	SHORT	0		
		< TRANSISTOR >			
Q101	8-729-904-87	TRANSISTOR 2SB1197K-T-146-R			
		< RESISTOR >			
R101	1-216-847-11	METAL CHIP	150K	5%	1/16W
R102	1-216-847-11	METAL CHIP	150K	5%	1/16W
R103	1-216-150-00	RES-CHIP	10	5%	1/8W
R104	1-216-857-11	METAL CHIP	1M	5%	1/16W
R105	1-216-833-11	RES-CHIP	10K	5%	1/16W
R106	1-216-857-11	METAL CHIP	1M	5%	1/16W
R107	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R108	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R110	1-216-837-11	METAL CHIP	22K	5%	1/16W
R111	1-216-833-11	RES-CHIP	10K	5%	1/16W
R113	1-216-839-11	METAL CHIP	33K	5%	1/16W
R116	1-216-845-11	METAL CHIP	100K	5%	1/16W
R122	1-216-845-11	METAL CHIP	100K	5%	1/16W
R123	1-216-839-11	METAL CHIP	33K	5%	1/16W
R126	1-216-842-11	METAL CHIP	56K	5%	1/16W

SERVO SUB

Ref. No.	Part No.	Description			Remark
R127	1-216-821-11	METAL CHIP	1K	5%	1/16W
R213	1-216-821-11	METAL CHIP	1K	5%	1/16W
R214	1-216-821-11	METAL CHIP	1K	5%	1/16W
R301	1-216-839-11	METAL CHIP	33K	5%	1/16W
R302	1-216-839-11	METAL CHIP	33K	5%	1/16W
R303	1-216-821-11	METAL CHIP	1K	5%	1/16W
R304	1-216-839-11	METAL CHIP	33K	5%	1/16W
R306	1-216-833-11	RES-CHIP	10K	5%	1/16W
R307	1-216-833-11	RES-CHIP	10K	5%	1/16W
R308	1-216-833-11	RES-CHIP	10K	5%	1/16W
R309	1-216-833-11	RES-CHIP	10K	5%	1/16W
R310	1-216-833-11	RES-CHIP	10K	5%	1/16W
R311	1-216-833-11	RES-CHIP	10K	5%	1/16W
R312	1-216-845-11	METAL CHIP	100K	5%	1/16W
R313	1-216-842-11	METAL CHIP	56K	5%	1/16W
R314	1-216-842-11	METAL CHIP	56K	5%	1/16W
R315	1-216-842-11	METAL CHIP	56K	5%	1/16W
R316	1-216-842-11	METAL CHIP	56K	5%	1/16W
R317	1-216-838-11	METAL CHIP	27K	5%	1/16W
R318	1-216-842-11	METAL CHIP	56K	5%	1/16W
R319	1-216-842-11	METAL CHIP	56K	5%	1/16W
R320	1-216-833-11	RES-CHIP	10K	5%	1/16W
R321	1-216-846-11	METAL CHIP	120K	5%	1/16W
R322	1-216-835-11	METAL CHIP	15K	5%	1/16W
R501	1-216-833-11	RES-CHIP	10K	5%	1/16W
R503	1-216-845-11	METAL CHIP	100K	5%	1/16W
R504	1-216-857-11	METAL CHIP	1M	5%	1/16W
R505	1-216-839-11	METAL CHIP	33K	5%	1/16W
R506	1-216-845-11	METAL CHIP	100K	5%	1/16W
R507	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R508	1-216-809-11	METAL CHIP	100	5%	1/16W
R509	1-216-809-11	METAL CHIP	100	5%	1/16W
R510	1-216-809-11	METAL CHIP	100	5%	1/16W
R511	1-216-845-11	METAL CHIP	100K	5%	1/16W
R513	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R514	1-216-809-11	METAL CHIP	100	5%	1/16W
R515	1-216-864-11	METAL CHIP	0	5%	1/16W
R516	1-216-845-11	METAL CHIP	100K	5%	1/16W
R517	1-216-837-11	METAL CHIP	22K	5%	1/16W
R524	1-216-845-11	METAL CHIP	100K	5%	1/16W
R526	1-216-845-11	METAL CHIP	100K	5%	1/16W
R527	1-216-845-11	METAL CHIP	100K	5%	1/16W
R531	1-216-809-11	METAL CHIP	100	5%	1/16W
R532	1-216-845-11	METAL CHIP	100K	5%	1/16W
R533	1-216-845-11	METAL CHIP	100K	5%	1/16W
R535	1-216-845-11	METAL CHIP	100K	5%	1/16W
R551	1-216-841-11	METAL CHIP	47K	5%	1/16W
R552	1-216-841-11	METAL CHIP	47K	5%	1/16W
R553	1-216-845-11	METAL CHIP	100K	5%	1/16W
R554	1-216-845-11	METAL CHIP	100K	5%	1/16W
R555	1-216-845-11	METAL CHIP	100K	5%	1/16W
R559	1-216-845-11	METAL CHIP	100K	5%	1/16W
R560	1-216-809-11	METAL CHIP	100	5%	1/16W

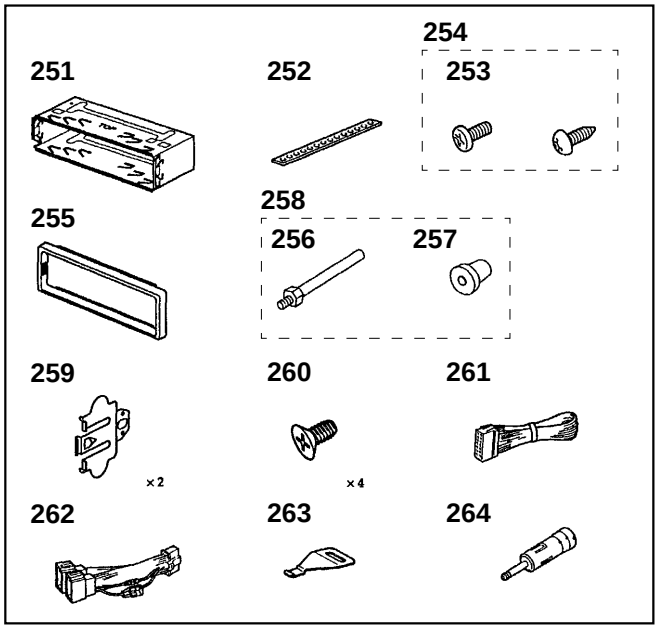
Ref. No.	Part No.	Description			Remark
R563	1-216-809-11	METAL CHIP	100	5%	1/16W
R564	1-216-845-11	METAL CHIP	100K	5%	1/16W
R568	1-216-837-11	METAL CHIP	22K	5%	1/16W
R569	1-216-809-11	METAL CHIP	100	5%	1/16W
R570	1-216-821-11	METAL CHIP	1K	5%	1/16W
R572	1-216-809-11	METAL CHIP	100	5%	1/16W
R590	1-216-845-11	METAL CHIP	100K	5%	1/16W
R594	1-216-845-11	METAL CHIP	100K	5%	1/16W
R595	1-216-845-11	METAL CHIP	100K	5%	1/16W
		< SWITCH >			
SW1	1-762-944-12	SWITCH, DETECTION (SMALL TYPE) (DOWN)			
		< VIBRATOR >			
X1	1-781-758-21	VIBRATOR, CERAMIC (CHIP TYPE) (10MHz)			
**********					
*	1-677-727-11	SUB BOARD			
		**********			
	1-783-268-11	CABLE,FLAT			
		< CAPACITOR >			
C501	1-163-038-00	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN502	1-750-862-21	PIN, CONNECTOR (PC BOARD) 5P			
		< DIODE >			
D501	8-719-420-90	DIODE MA8051-M-TX			
D503	8-719-988-61	DIODE 1SS355TE-17			
		< IC >			
IC501	8-749-012-25	IC RS-170-TU			
		< DIODE >			
LED501	8-719-072-57	LED CL-170UB-X-T (DISC IN)			
LED503	8-719-072-57	LED CL-170UB-X-T (⏏)			
		< TRANSISTOR >			
Q501	8-729-216-22	TRANSISTOR 2SA1037K-T-146-S			
Q502	8-729-038-68	TRANSISTOR KRC103S			
		< RESISTOR >			
R501	1-216-017-11	RES-CHIP	47	5%	1/10W
R502	1-216-073-00	METAL CHIP	10K	5%	1/10W
R503	1-216-097-11	RES-CHIP	100K	5%	1/10W
R504	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R505	1-216-049-11	RES-CHIP	1K	5%	1/10W
R506	1-216-035-00	METAL CHIP	270	5%	1/10W

Ref. No.	Part No.	Description	Remark
		< SWITCH >	
SW501	1-692-135-21	SWITCH, KEY BOARD (RESET)	
SW504	1-692-135-21	SWITCH, KEY BOARD (⏏)	
**********		**********	
	A-3326-298-A	SWITCH BOARD, COMPLETE (INCLUDING SW900)	
		**********	
**********		**********	
		MISCELLANEOUS	
		**********	
17	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER) (M700R)	
17	1-792-194-11	CORD (WITH CONNECTOR) (POWER) (M750)	
19	1-790-375-11	CORD (WITH CONNECTOR) (SUB OUT)	
20	1-777-246-21	CORD (WITH CONNECTOR) (ANT)	
69	1-677-340-11	FLEXIBLE BOARD	
* 201	X-3378-480-1	CHASSIS (OP) ASSY (INCLUDING M901)	
206	1-676-707-11	PICK-UP FLEXIBLE BOARD	
207	1-677-182-11	MOTOR FLEXIBLE BOARD	
⚠210	8-820-103-03	PICK-UP, OPTICAL KSS-720A/K1RP	
F901	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
M601	X-3378-769-1	MOTOR ASSY (OPEN/CLOSE)	
M902	A-3301-985-A	MOTOR ASSY, SLED (SLED)	
M903	A-3315-039-A	MOTOR SUB ASSY, LO (LOADING)	
**********		**********	
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-418-812-31	REMOTE COMMANDER (RM-X92) (M750)	
	1-418-812-51	REMOTE COMMANDER (RM-X95) (M700R)	
	3-044-623-01	LID, BATTERY CASE (for RM-X92/X95)	
	3-047-692-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH, SPANISH) (M750)	
	3-047-693-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH,SPANISH) (M750)	
	3-047-694-11	MANUAL, INSTRUCTION (ENGLISH,SPANISH, SWEDISH,PORTUGUESE,RUSSIAN) (M700R:TYPE1)	
	3-047-694-21	MANUAL, INSTRUCTION (FRENCH,DANNISH, DUTCH,ITALIAN,GREEK) (M700R:TYPE3)	
	3-047-694-31	MANUAL, INSTRUCTION (DANNISH) (M700R:TYPE2)	
	3-047-695-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH,SWEDISH,PORTUGUESE,RUSSIAN) (M700R:TYPE1)	
	3-047-695-21	MANUAL, INSTRUCTION, INSTALL (FRENCH, DANNISH,DUTCH,ITALIAN,GREEK) (M700R:TYPE2,3)	
**********		**********	

Ref. No.	Part No.	Description	Remark
		**********	
		HARDWARE LIST	
		**********	
#1	7-685-790-09	SCREW +PTT 2.6X4 (S)	
#2	7-685-792-09	SCREW +PTT 2.6X6 (S)	
#3	7-621-775-10	SCREW +B 2.6X4	
#4	7-627-553-28	SCREW, PRECISION +P 2X2.5	
#5	7-624-102-04	STOPRING 1.5, TYPE -E	
#6	7-685-793-09	SCREW +PTT 2.6X8 (S)	
#7	7-621-773-95	SCREW +B 2.6X6	
#8	7-685-104-19	SCREW +P 2X6 TYPE 2 NON-SLIT	
#9	7-621-772-00	SCREW +B 2X3	
#10	7-685-795-09	SCREW +PTT 2.6X12 (S)	
#11	7-627-553-37	SCREW, PRECISION +P 2X3 TYPE 3	
#12	7-627-553-17	SCREW, PRECISION +P 2X2 TYPE 3	
#13	7-627-850-28	SCREW, PRECISION +P 1.4X3	
#14	7-628-253-00	SCREW, SPECIAL	
**********		**********	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
		PARTS FOR INSTALLATION AND CONNECTIONS	
		**********	
251	3-014-370-21	FRAME, FITTING	
252	3-916-012-01	BRACKET (ND), FITTING ASSIST (M750)	
253	7-682-160-01	SCREW +P 4X6 (M750)	
254	X-3368-725-1	SCREW ASSY, FITTING (M750)	
255	X-3378-770-1	COLLAR ASSY	
256	3-386-828-01	SCREW, FITTING (M700R)	
257	3-349-410-01	BUSHING (M700R)	
258	X-3366-405-1	SCREW ASSY (EXP), FITTING (M700R)	
259	3-030-929-02	SPRING, FITTING	
260	3-934-325-01	SCREW (+K 5X8 TP)	
261	1-792-194-11	CORD (WITH CONNECTOR) (POWER) (M750)	
262	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)	(M700R)
* 263	3-035-161-01	BRACKET (RELEASE)	
264	1-465-459-21	ADAPTOR, ANTENNA (M700R)	



MC-Service

Sony Corporation
Mobile Electronics Division Company

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CDX-M700R/M750

SONY

SERVICE MANUAL

US Model
CDX-M750
AEP Model
UK Model
CDX-M700R

SUPPLEMENT·

File this supplement with the service manual.

Subject : Service Notes

(ENG-00015, 00016)

SERVICE NOTES

US/Canadian model:

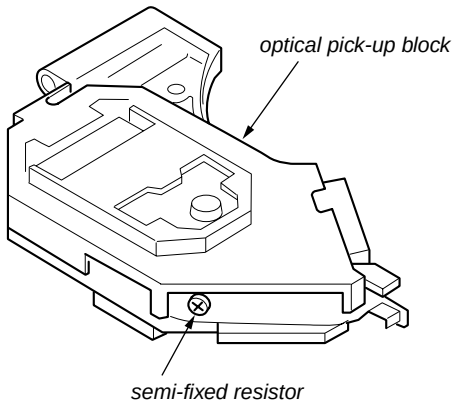
Laser Diode Properties

Material	GaAlAs
Wavelength	780 nm
Emission Duration	Continuous
Laser output power	Less than 44.6 μW*

* *This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.*

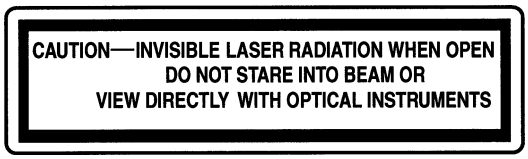
CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

If the optical pick-up block is defective, please replace the whole optical pick-up block.
Never turn the semi-fixed resistor located at the side of optical pick-up block.



AEP/UK model:

This product is classified as a CLASS 1 LASER PRODUCT.
This label is located on the bottom of the chassis.



This label is located on the drive unit's internal chassis.

When replacing the chassis (T) of mechanism deck which have the “CAUTION LABEL” attached, please be sure to put a new CAUTION LABEL (3-223-913-11) to the chassis (T).

MC-Service

9-870-134-81

Sony Corporation
Audio Entertainment Group

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